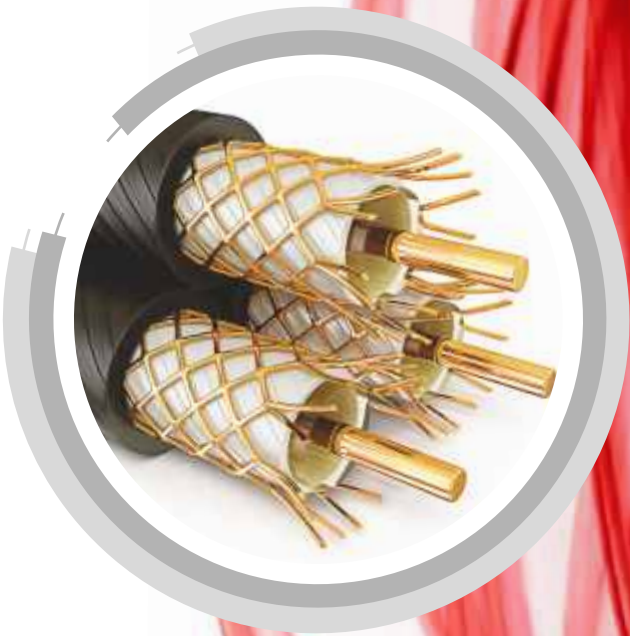


 **NORDEN<sup>®</sup>**



**PRODUCT SUBMITTAL**

[www.nordencommunication.com](http://www.nordencommunication.com)



# INDEX



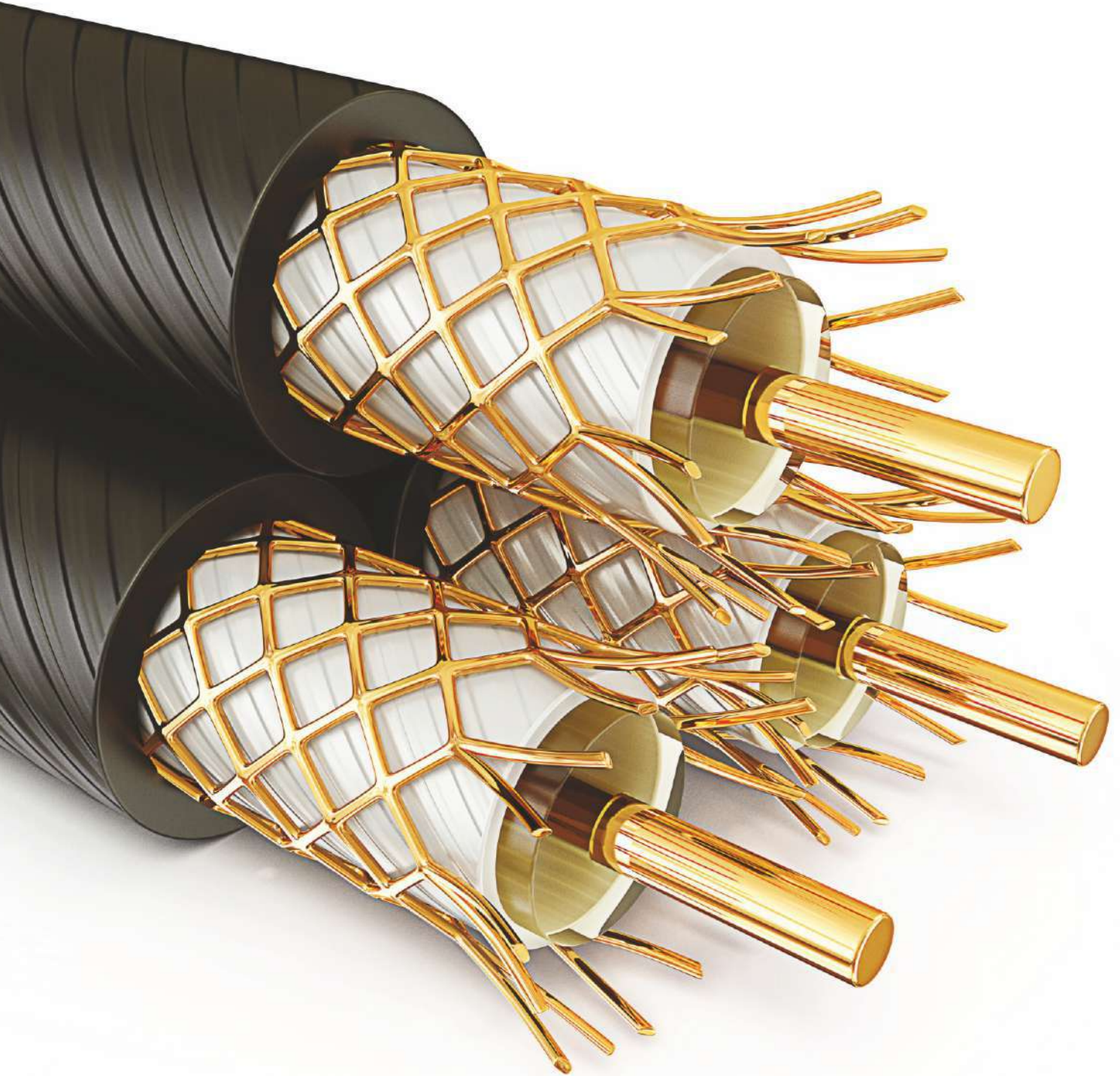


- 1 INTRODUCTION
- 2 COMPANY INFORMATION
  - COMPANY SUMMARY INFORMATION
  - RANGE OF PRODUCTS
  - ORGANIZATION CHART NORDEN COMMUNICATION UK LTD.
  - ORGANIZATION CHART NORDEN COMMUNICATION MIDDLE EAST
- 3 CERTIFICATES
- 4 TEST REPORTS
- 5 APPROVALS
- 6 REFERENCE
- 7 PRODUCT CATALOGUES



# ■ INTRODUCTION

WIRES & CABLES





Norden brings to you the tested electrical and optical solutions, catering to a wide spectrum of industries - Telecommunication, Building, Industrial and Utilities. With its headquarters in UK, Norden brings British quality with International standard to the global market.

The company which started humble beginnings since its inception in 1998 has grown to become a global leader in connectivity solution and cabling. We are fast expanding our global presence entering new markets with wider product offerings. The main markets serviced by Norden are Middle East, Europe, Africa and Asia.

The quality products and services we offer made the company known and recognized highly to all its customers which excel to become a global brand. Our Research & Development Team presents new and innovative products that our customers are one step ahead in their competitive markets.

Our dedicated quality assurance team operators a quality management system approved to ISO 9001 and provides products approved by leading third party laboratories like UL, LPCB, Intertek, CE etc. All our cables and products are rigorously tested and fully certified with test documentation to international standards.

We bring new and innovative products with the required approvals to meet our customer's ever changing requirement to keep abreast with the fast changing technology and market competition. Specialists from our organization work closely with our customer to offer solutions made to their individual requirement.

The company serves the needs of many industrial companies engaged in the field of real estate construction, telecommunication, electric utilities, transport, petrochemical and marine industries, oil and gas, aero and shipbuilding industries, medical, military, automotive industries.





To continuously differentiate itself from other competitors, our Sales and Marketing team considers our customers satisfaction at heart at all times. We shall do this with regular consultation with our customers, knowing their requirements and meeting the required standards. We will continue to assess the market demands, improve our system and methodologies, and will continue to identify and establish marketing and distribution channels locally and internationally.

Norden's first offering was its structured cabling solutions, which are UL-certified components, which remain its core area. With its robustness and competitive pricing, Norden has earned a good reputation and market share in the past few years. It has an extensive range of copper and fibre connectivity solutions to meet any requirements in structured cabling.

The advantage of Norden is that it has a comprehensive range of products now to meet end-to-end requirements, be it in data communication, telecommunication or extra low-voltage systems. It has cabinets and racks for data centre, server rooms, telecommunication distribution and closets, and IP-rated outdoor applications.

By its new range of control and instrumentation cables, fire alarm and special cables give customers in the building segment a single-vendor, end-to-end solution in building automation.

With expert guidance and training, the company is able to execute a competitive and successful exporting policy of its products. A rigorous market research covering international fronts, surveys, geographical issues, demand, trends, price competition, supply channel and customer needs help Norden to establish itself globally.



## Mission

We continuously strive for excellence in all aspects of our business through the integration of sustainable business development and innovation, delighting our customers with timely delivery of our products and services at all times.

## Vision

We at Norden ensure that through our product offering, we remain the leader in our industry in quality and performance, exceeding the expectations of our customers and stakeholders.

## Values

- Growth through Innovation and customer satisfaction.
- Open and honest Communication
- Integrity driven by Accountability
- Continued integration of World Class Quality Management
- Safety is not compromised
- Responsible corporate citizenship in compliance with Environmental norms.
- Working to make a difference in the world



## Quality Policy

- Our quality policy conforms to the management system standard ISO 9001 and to all the national and international applicable standards.
- We strive to be perceived by our customers as a company whose products, service and support consistently exceed those of our competitors.
- We will continuously improve our products, services and processes using clearly defined methodologies and making data based decisions.
- We will act to ensure that our quality policy is understood, implemented, and maintained at all levels in the company.
- We are working to build a company that is regarded by its employees as one they are proud to work for, that communicates with them, listens and responds appropriately, values them and invests in them.
- In the event that one of our customers has a problem with our products or our actions, we will react immediately and decisively to overcome it.
- We will do what we have agreed to do, keeping our customers informed of progress.
- We strive to be the preferred supplier for our products and services in our chosen field.
- Improve safety and health performance through effective identification of hazards, control of risks, investigation of accidents and incidents and implementation of appropriate corrective and preventive actions.



Company Name : NORDEN COMMUNICATION ME FZE  
License No : 3349 / 7399  
License Type : Commercial / Industrial  
Date of Issue : 23rd January 2008  
Ownership : Free Zone Establishment (FZE)  
Ownership Percentage : 100 % NORDEN COMMUNICATION UK LTD.  
Activity : Manufacturing/Import/Export/Trading in Cables, Cabinets,  
Electrical & Communication Equipment, Electronics and IT products.  
  
Office : 01J-09/01 / 01J-06/03  
Quality Certification : NORDEN COMMUNICATION UK LTD is holder of UL, CE, Intertek,  
PTS & LPCB Certification.  
NORDEN COMMUNICATION is certified by ISO 9001:2008





## PRODUCT ABSTRACT

NORDEN COMMUNICATION UK LTD. is a manufacturer awarded with certificates in accordance with the international standards and certified/tested by “UL”-underwriter’s laboratory.

## NORDEN COMMUNICATION UK LTD. PRODUCT PORTFOLIO

- Structured Cabling
- Data Cables
- Networking Accessories
- Fibre Cables
- Fibre Accessories
- Telephone Cables
- Telecom
- Coaxial Cables
- Instrumentation & Audio Cables
- Fire Resistant Cables
- Cabinet & Accessories

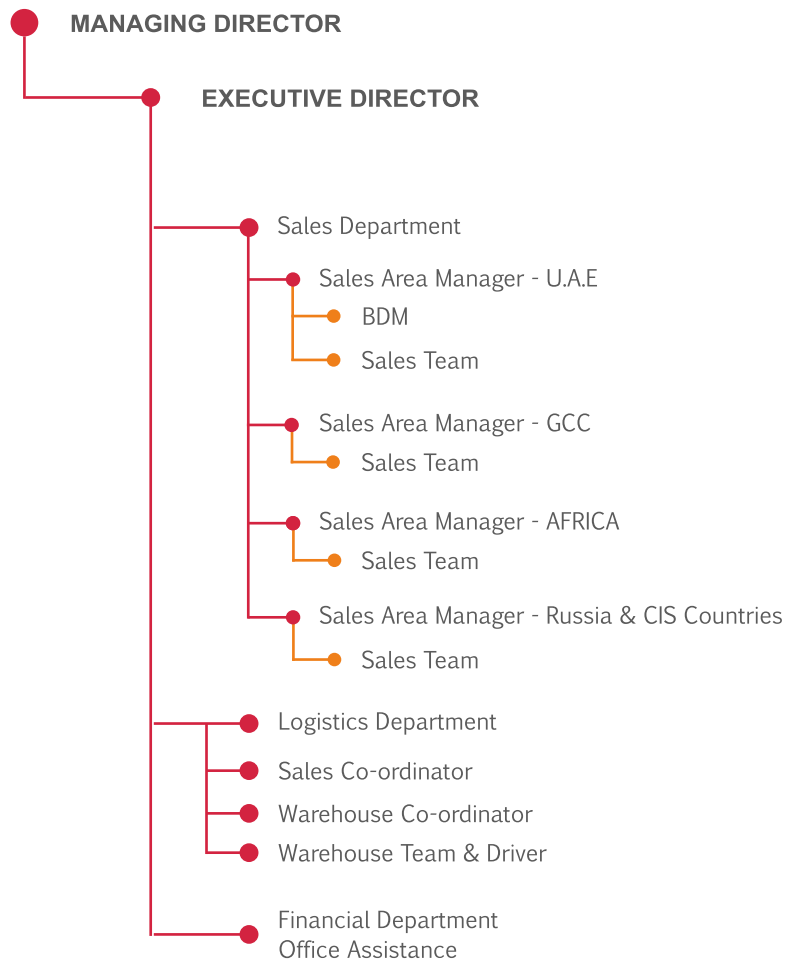


## ORGANIZATION CHART NORDEN COMMUNICATION UK LTD.





 ORGANIZATION CHART NORDEN COMMUNICATION MIDDLE EAST FZE





Quality approved by CE, UL, (Underwriters Laboratories), Intertek and optical testing follows ITU, IEC and EIA/TIA-FOTP and manufacturing as per ISO 9001 standards.

We are currently one of the markets leading manufactures for structured cabling system and few of the products are mentioned for your references.

## DATA CABLES

---

### 1. Category 7a S/FTP 4 pair Cable

- 23 AWG copper Conductor.
- PVC insulation with Aluminium/Polyester Foil & TC shielding
- Outer jacket: LSZH material to IEC 60332-1, IEC 60754, IEC 61034

#### COMPLIANCE

- ISO/IEC-11801(2000) 2nd Edition, Amendment 1 Class FA
- IEC 61156-5 and EN 50173-1:2002 Category 7A

### 2. Category 7 S/FTP 4 pair Cable

- 23 AWG copper Conductor.
- SFS PE Insulation with Aluminium/Polyester Foil & TC shielding
- Outer jacket: PVC/LSZH material to IEC 60332-1, IEC 60754, IEC 61034

#### COMPLIANCE

- ISO/IEC-11801 2nd Edition Class F
- IEC 61156-5:2002 Category 7

### 3. Category 6a U/FTP, F/FTP, S/FTP 4 pair Cable

- 23 AWG copper Conductor.
- SFS PE Insulation with Aluminium/Polyester Foil & TC shielding
- Outer jacket: PVC/LSZH material to IEC 60332-1, IEC 60754, IEC 61034

#### COMPLIANCE

- IEE 802.3an :2006 (10GBASE-T)
- ANSI/TIA-568-C.2:2009 Category 6A
- ISO/IEC-11801, 2nd Edition Class EA
- IEC 61156-5:2002 Category 6A





#### 4. Category 6a U/UTP, F/UTP Cable

- 23 AWG copper Conductor.
- Insulation: HDPE for U/UTP & SFS PE for F/UTP
- In. Shield Material : Aluminium/Polyester foil 100% coverage for F/UTP
- Outer Jacket : PVC/Plenum/LSZH material to IEC 60332-1, IEC 60754, IEC 61034

##### COMPLIANCE

- IEE 802.3an :2006 (10GBASE-T)
- ANSI/TIA-568-C.2:2009 Category 6A
- ISO/IEC-11801, 2nd Edition Class EA
- IEC 61156-5:2002 Category 6A

#### 5. Category 6a U/UTP 4 pair External cable.

- 23 AWG copper Conductor.
- Insulation: High Density PE
- Outer jacket : PE/LSZH material to IEC 60332-1, IEC 60754, IEC 61034

##### COMPLIANCE

- IEE 802.3an :2006 (10GBASE-T)
- ANSI/TIA-568-C.2:2009 Category 6A
- ISO/IEC-11801, 2nd Edition Class EA
- IEC 61156-5:2002 Category 6A,TIA-568-C.2

#### 6. Category 6 U/FTP, F/FTP, S/FTP 4 pair Cable

- 23 AWG copper conductor.
- SFS PE/HDPE insulation with Aluminium/Polyester Foil & TC shielding
- Outer jacket : PVC/LSZH material to IEC 60332-1, IEC 60754, IEC 61034

##### COMPLIANCE

- IEEE 802.af ,IEEE 802.3at for PoE applications
- ANSI/TIA-568-C.2:2009 Category 6
- ISO/IEC-11801, 2nd Edition Class E
- IEC 61156-5:2002 Category 6



## 7. Category 6 U/UTP, F/UTP 4 pair Cable

- 23 & 24 AWG copper conductor.
- High Density PE insulation
- Laminated Aluminium overall shield for F/UTP
- U/UTP 24 AWG cable with separator available.
- Outer jacket: PVC/LSZH material to IEC 60332-1, IEC 60754, IEC 61034

### COMPLIANCE

- IEEE 802.af ,IEEE 802.3at for PoE applications
- ANSI/TIA-568-C.2:2009 Category 6
- ISO/IEC-11801, 2nd Edition Class E
- IEC 61156-5:2002 Category 6

## 8. Category 6 U/UTP 4 pair External cable.

- 23 AWG copper conductor.
- Insulation: High Density PE
- Outer jacket: PE/LSZH material to IEC 60332-1, IEC 60754, IEC 61034

### COMPLIANCE

- IEEE 802.af
- UL 444, IEC 332-1
- ANSI/TIA-568-C.2:2009 Category 6
- ISO/IEC-11801, 2nd Edition Class E
- IEC 61156-5:2002 Category 6

## 9. Category 6 F/UTP 4 pair External cable.

- 23 AWG copper conductor.
- Insulation: High Density PE
- Laminated Aluminium overall shield and TC drain wire.

### COMPLIANCE

- ANSI/TIA-568-C.2:2009 Category 6
- ISO/IEC-11801, Class E
- YD/T 1019



## 10. Category 6 U/ FTP 4 Pair Flat Cable

- 30 AWG stranded Bare copper conductor.
- Insulation: Foam PE (Skin)
- Aluminium/Polyester Foil 100% coverage shield
- Outer Jacket: PVC

### COMPLIANCE

- ANSI/TIA-568-C.2:2009 Category 6
- ISO/IEC-11801, 2nd Edition Class E
- IEC 61156-5:2002 Category 6

## 11. Category 6 U/UTP Jelly Filled 4 Pair External Water Proof PE Cable

- 23 AWG copper conductor.
- Insulation: High Density PE
- Outer Jacket: Low Density PE

### COMPLIANCE

- ANSI/TIA-568-C.2 Category 6
- ISO/IEC-11801, Class E

## 12. Category 5e U/UTP, F/UTP Cable

- 24 AWG copper conductor.
- Insulation: High Density PE
- Laminated Aluminium overall shield and TC drain wire for F/UTP
- Outer jacket: PVC/LSZH material to IEC 60332-1, IEC 60754, IEC 61034

### COMPLIANCE

- IEEE 802.af, IEEE 802.3at for PoE applications
- ANSI/TIA-568-C.2:2009 Category 5e
- ISO/IEC-11801, 2nd Edition Class D
- IEC 61156-5:2002 Category 5e



### 13. Category 5e U/UTP 4 Pair External J/F Cable

- 24 AWG copper conductor.
- Insulation: High Density PE
- Outer jacket: PE compound/LSZH material to IEC 60332-1, IEC 60754, IEC 61034

#### COMPLIANCE

- IEEE 802.af, IEEE 802.3at for PoE applications
- ANSI/TIA-568-C.2:2009 Category 5e
- ISO/IEC-11801, 2nd Edition Class D
- IEC 61156-5:2002 Category 5e

### 14. Category 5E 4 Pair Double Jacket Cable

- 24 AWG copper conductor.
- Insulation: High Density PE
- Aluminium Foil (F/UTP cable) shielding and TC drain wire available
- Outer jacket: PE compound/FR PVC /LSZH material to IEC 60332-1, IEC 60754, IEC 61034

#### COMPLIANCE

- IEEE 802.af, IEEE 802.3at for PoE applications
- ANSI/TIA-568-C.2:2009 Category 5e
- ISO/IEC-11801, 2nd Edition Class D
- IEC 61156-5:2002 Category 5e

### 15. Category 5E U/UTP Multi Pair Cable

- 24 AWG copper conductor.
- 25 pair & 50 pair cable available
- Insulation: High Density PE
- Outer jacket: PVC /LSZH material to IEC 60332-1, IEC 60754, IEC 61034

#### COMPLIANCE

- IEEE 802.af, IEEE 802.3at for PoE applications
- ANSI/TIA-568-C.2:2009 Category 5e
- ISO/IEC-11801, 2nd Edition Class D
- IEC 61156-5:2002 Category 5e





## 16. Category 5E S/FTP 4 Pair Cable

- 24 AWG copper conductor.
- Insulation: High Density PE
- Aluminium foil and TC shielding.
- Outer jacket: PVC

### COMPLIANCE

- IEEE 802.af, IEEE 802.3at for PoE applications
- ANSI/TIA-568-C.2:2009 Category 5e
- ISO/IEC-11801, 2nd Edition Class D
- IEC 61156-5:2002 Category 5e

## 17. Flat Elevator Cable

- 26 AWG Tinned copper conductor.
- Insulation: PVC
- Aluminium/PETP foil and TC shielding

### COMPLIANCE

- EN 50214
- Flame Propagation – IEC/EN 60332-1-2



## NETWORKING ACCESSORIES

### 1. Category 5E,6 Connector

- High impact, Flame-retardant plastic compound, UL 94 V-0.
- Contains Phosphor Bronze plug contact with Gold over Nickel contact surface

#### COMPLIANCE

- IEEE 802.af, IEEE 802.3at for PoE applications
- ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition),
- EN50173-2 Category 5e & 6 standards, IEC 60603-7-3

### 2. Face Plates

- Face plate USA standard
- PVC face plate, UK & EURO Standards
- Steel face plate

### 3. Category 6a, 6, 5e Keystone Jack

- Available for UTP and FTP/STP
- High Impact, Flame-Retardant Plastic Compound, UL 94 V-0
- 22-26 AWG, Solid or Stranded
- Fully Shielded Corrosion-Resistant Die-Cast Zinc-Alloy Casing
- Spring wire :Phosphor Bronze Alloy Plated With 50 Micro-Inch Of Gold
- over 70-100 Micro-Inch Of Nickel
- IDC:Phosphor Bronze Alloy With 100 Micro-Inch 100% Nickel Plating
- UTP Keystone Jack Shuttered also available

#### COMPLIANCE

- IEEE 802.af, IEEE 802.3at for PoE applications
- ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition),
- EN50173-2 Category 5e ,6, 6A standards



#### 4. Category 6a U/UTP, F/UTP, S/FTP Patch Cord

- Stranded Bare Annealed Copper conductor
- Wire Insulation : SFS PE
- LSZH Halogen free flame retardant or PVC compound Outer jacket
- Polyester-Aluminium Foil & TC braid for shielding (S/FTP)

##### COMPLIANCE

- IEEE 802.af and IEEE 802.3 at for PoE applications
- IEEE 802.3an-2006, and ISO 11801 Class EA channel standards
- IEC 60603-7, ISO/IEC-11801,
- ANSI/TIA-968-A, ANSI/TIA-568-C.2 Category 6A

#### 5. Category 6 U/UTP, F/UTP, S/FTP Patch Cord

- Stranded Bare Annealed Copper conductor
- Wire Insulation : SFS PE
- LSZH Halogen free flame retardant or PVC compound Outer jacket
- Polyester-Aluminium Foil & TC braid for shielding (S/FTP)

##### COMPLIANCE

- IEEE 802.af and IEEE 802.3at for PoE applications
- ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition), IEC 61156-2
- EN 50173; EN 50288-6-2 Category 6 standard

#### 6. Category 5e U/UTP, F/UTP Patch Cord

- Stranded Bare Annealed Copper conductor
- Wire Insulation : HD PE
- LSZH Halogen free flame retardant or PVC compound Outer jacket
- Aluminium Foil for shielding (F/UTP)

##### COMPLIANCE

- IEEE 802.af, IEEE 802.3at for PoE applications.
- ANSI/TIA-568-C.2:2009 Category 5e.
- ISO/IEC-11801 2nd Edition Class D.
- IEC 61156-6, EN 50173-1; EN 50288-3-2



## 7. UTP, FTP/STP Patch Panels

- Cat 5 e ,6 UTP patch panel/blank punch down
- FTP/STP patch panel blank tool less
- High density 1 U loaded 48 port patch panel
- UTP patch panel tool less

## 8. Other Accessories

- Blank Cover
- Bracket
- Category 5E,6 Euro Module
- Keystone Blank Insert
- Keystone Jack Termination Tool
- LAN Cable Stripper
- Keystone Jack Holder

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## TELEPHONE CABLES

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- Drop Cable
- Internal Telephone Cables
- Jumper Wire
- External Telephone Cables
- Jelly Filled/Steel Tape



## TELECOM PRODUCTS

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### 1. 110 Wiring Items

- 110 19" Cross Connection panel
- 110 Wiring Block
- 110 Wiring IDC Connector
- 110 Wiring Identify Label Holder

### 2. Connection / Disconnection Module

- 3 Pole Protector Magazine
- Gas Tube Arrestor
- Hinged label Holder
- Number Flag
- Ten Pair Connection Disconnection Module

### 3. Wall Mounted Cable Distribution Cabinet

- Designed for installation of overvoltage protection elements.
- 180 degree opening door provides easy access.
- Equipped with document wallet for storing system information.
- Fully lockable door protects unauthorized access.
- Available in different sizes.

### 4. Distribution Frame

- Two distribution Frame can be fixed together with bolts to form a bank.
- Sufficient number of cable guides is pre-installed.
- Capacity: 690 pairs with one vertical and 1380 with two verticals and 2100 with four verticals
- Materials used mild steel with black colour.
- Available in different sizes

### 5. Distribution Point Box

- Distribution Point Box Internal
- Distribution Point Box External
- Splice Closure Horizontal



## 6. Line Jack

- Line Jack series can be either surface or flush mounted
- Termination is 3 way BT 238A IDC connectors or screw terminals.
- White high gloss ABS material used for the housing materials.
- Wide range of line jacks available.

## 7. Module

- Euro style BT & RJ11 module available
- The termination for this module through 238A IDC connectors.
- Manufactured in high quality ABS material

## 8. Mounting Frame

- 150 Pair Mounting Frame used in 19" cabinet for 10 pair modules.
- Back mount frames consist of U-shaped stainless steel

## 9. Voice Patch Panel

- 19" rack mounted Unscreened RJ45 ISDN/Telephone patch panels are available in 1U 25 & 50 port versions
- 60 to 150 voice pairs to suit PABX & PSTN line connections

## 10. 110 Patch Plug & Patch Cord

- Patch plug design utilizes internal pair isolation and layered contacts to improve crosstalk performance.
- 110 patch plug comply with category 5e ANSI/TIA/EIA-568-B.2
- 110 Patch Cord incorporates crossover Lead design
- 110 Patch Cord 110 to RJ45 is also available.



## FIBRE CABLES

### COMPLIANCE

- ITU-T G652.B OS1
- ITU-T G652.D/G655/G657.A1/G657.A2 OS2
- ITU-T G651.1 OM1 OM2 OM3 OM4
- IEC60793-2-10 type A1a.1/A1b OM1/OM2
- IEC60793-2-10 type A1a.2 OM3
- IEC60793-2-10 type A1a.3 OM4
- ISO/IEC 11801 , ISO/IEC 24702
- IEEE 802.3z Gigabit Ethernet
- ANSI/TIA/EIA 568C.3

### 1. Armoured Self Supporting Figure 8 Aerial Cable

- Standard: PVC Optional: LSZH, PE or other protection
- Up to 12 fibres are there in each jelly filled plastic compound tube
- Seven number messenger wires made of stranded galvanized steel
- ROHS compliant Directive 2002/95/EC

### 2. Dielectric Self Supporting Figure 8 Aerial Cable

- Standard around a FRP strength member
- Sheath: PVC Optional: LSZH, PE or other
- Up to 12 fibres are there in each jelly filled plastic compound tube
- Seven number messenger wires made of stranded galvanized steel

### 3. OPGW Composite Optical Cable

- Fiber placed in central stainless steel tube with water resistant jelly filling.
- Aluminium pipe for added protection
- Aluminium wire or Aluminium alloy wire are stranded.
- Upto 48 fiber count available.

### 4. 2 Core Fiber Optic Drop Cable

- Protected by dielectric strength member made of fibre reinforced plastic (FRP)
- LSZH outer jacket.
- Armoured cable steel wire strength material is used.





## 5. Dielectric Loose Tube Unarmoured In/Out Optical Cable

- FRP Central Strength Member
- Two layer tubes with Jelly Compound
- Aramid yarn strength member for better tensile strength.
- (PE outer jacket) for Internal/External application (LSZH outer jacket) as per customer requirement
- Upto 144 fiber count available.

## 6. E-Glass Strength Central Loose Tube In\_Out Optical Cable

- FRP Central Strength Member, Central Loose Tube with Jelly Compound.
- E-Glass Strength Member and PVC outer Jacket with metric print.
- (PE outer jacket) for Internal/External application (LSZH outer jacket) as per customer requirement
- Up to 24 fiber count available.

## 7. Breakout Tight Buffer Optical Cable

- Non metallic FRP strength members used.
- These simplex cables are individually reinforced with Aramid yarn
- Available in PVC, LSZH, Plenum outer sheath and tight buffer
- Up to 12 fiber count available.

## 8. Central Loose Tube FRP Strength Optical Cable

- Non metallic FRP strength members used.
- Single jelly compound filled loose tube containing up to 12 fibres.
- PE material is used for protection.

## 9. Distribution Tight Buffer Optical Cable

- Each fibre is mechanically reinforced with two successive sheaths of 400 $\mu$ m and 900 $\mu$ m.
- Available in PVC, LSZH, Plenum outer sheath and tight buffer.
- Have high moisture resistance and can be routed across multiple bends with lower coast.



## 10. Duplex And Simplex Optical Fibre Cable

- Multiple Simplex Tight Buffer Fibres can be bundled as the Fan-out or Breakout cable for indoor wiring.
- Available in PVC, LSZH, Plenum outer sheath.
- Standard diameter will be 3.0mm.

## 11. Sub Grouping Tight Buffer Optical Cable

- Sub unit containing water blocking Aramid and 12 fibres.
- Sub units are helically stranded to get cable sizes from 12 to 144 fibres.
- Available in PVC, LSZH, Plenum outer sheath and tight buffer: 900  $\mu$ m, 600  $\mu$ m.

## 12. ADSS (All Dielectric Self Supported) 2PE Sheath Optical Cable

- Constructed with a multiple tube filled with water blocking jelly with fiber count up to 144.
- Non metallic FRP strength members is used.
- Double sided PE sheath.

## 13. Aluminium Longitudinal Layer Stranded Optical Cable

- Constructed with a multiple tube filled with water blocking jelly with Fiber count up to 144.
- Non metallic FRP strength members is used.
- Having an Aluminium tape and PE outer sheath

## 14. Central Loose Tube Armoured Outdoor Cable

- Constructed with a central tube filled with water blocking jelly.
- A corrugated steel armouring and two steel wires for strengthening.
- Outer PE sheath.
- Single tube with loose tube fibre count up to 12 fibres.

## 15. Central Loose Tube Double Steel Tape Armoured Cable

- Constructed with a central tube filled with water blocking jelly .
- Two corrugated steel armouring and two steel wires for strengthening.
- Inner PE sheath and an outer PE sheath is available.
- Single tube with loose tube fibre count up to 12 fibres.



## 16. Double Steel Tape Longitudinal Armored 3 PE Sheath

- Constructed with a multiple tubes filled with water blocking jelly.
- Metallic FRP strength members is used.
- Two layers of steel tape armouring and a triple sheath.
- Sheath material: Standard PVC, Optional: LSZH, PE or other

## 17. Distribution Tight Buffer Armoured Optical Cable

- Each fibre is mechanically reinforced with two successive sheaths of
- 400  $\mu\text{m}$  and 900  $\mu\text{m}$ .
- Available in PE, PVC, Plenum outer sheath and tight buffer: 900  $\mu\text{m}$ , 600  $\mu\text{m}$ .
- Up to 24 Fiber count available.

## 18. Double Layer Armoured 2 PE Sheath Optical Cable

- Constructed with a multiple tube filled with water blocking jelly.
- Metallic / Non metallic FRP strength members are used.
- Double sided PE corrugated steel armouring and PE outer sheath.

## 19. Duct Blown Unarmoured Optical Cable

- Constructed with FRP Central Strength Member, layer tubes with Jelly Compound.
- Aramid yarn strength member is used.
- PE outer Jacket with metric print.
- The cable has options of LSZH, PE, PA & Plenum outer jacket as per customer request.

## 20. Multi Loose Tube Steel Wire Armoured Cable

- Constructed with a multiple tube filled with water blocking jelly.
- Fibre count up to 144 fibre .
- Metallic / Non metallic FRP strength members are used.
- A steel wire armouring and PE sheath available.



## 21. Steel Tape Longitudinal Armoured 2 PE Sheath Optical Cable

- Constructed with a multiple tube filled with water blocking jelly.
- Fibre count up to 144 fibre .
- Non metallic FRP strength members is used.
- A corrugated steel armouring and two PE sheath is available.

## 22. Steel Tape Longitudinal Layer Stranded Optical Cable

- Constructed with a multiple tube filled with water blocking jelly.
- Fibre count up to 144 fibre .
- Metallic/Non metallic FRP strength members is used
- A corrugated steel armouring and two PE sheath.
- Special Insulation of Flame Retardant PE is also available.



## FIBRE ACCESSORIES

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- Breakout Cable Assembly
- Fibre Optical adaptor
- Fibre Connector
- Fibre Optic Distribution Box External
- Fibre Optic Micro ODF
- Fibre Optic Patch Panel
- Fibre Optic PLC Splitter
- Fibre Optic Splice Tray
- Fibre Patch Cord
- Fibre Pigtail
- Fusion Splice Protector Sleeve
- Horizontal/Straight Splicing Closure
- Vertical/Dome Splicing Closure
- Wall Mount Fibre Optic Patch Panel
- Wall Mount Optic Termination Box External



## COAXIAL CABLES

### 1. 75 Ohms RG 6U Coaxial Cables

- Bare copper conductor with PE insulation.
- PVC outer jacket and Aluminium/Polyester foil shielding.
- Aluminium Braid 60% & 95% coverage
- BC Braid 60% & 90% coverage
- TC Braid 95% coverage.
- 2 Core Power - Siamese Type is also available.

### 2. 75 Ohms RG 59U Coaxial Cables

- Bare copper conductor with PE insulation.
- PVC outer jacket and Aluminium/Polyester foil shielding.
- Aluminium Braid 60% & 95% coverage
- BC Braid 60% & 90% coverage
- TC Braid 95% coverage.
- 2 Core Power - Siamese Type is also available.

### 3. 75 Ohms RG 11U Coaxial Cables

- Bare copper conductor with PE insulation.
- PVC/PE outer jacket and Aluminium/Polyester foil shielding.
- Aluminium Braid 60% .
- BC Braid 60% ,90% & 95% coverage
- TC Braid 95% coverage.

### 4. BT3002 Coaxial Cable 75 Ohm

- Bare copper conductor with solid PE insulation.
- Two pair of TC braid wire.
- PVC Outer jacket.

### 5. DS3/DS4 Coaxial Cable 75 Ohm

- Tinned copper conductor with Foam PE insulation.
- Aluminium/Polyester Foil Bonded shielding.
- TC braid wire and LSZH outer jacket.



## 6. 50 Ohms RF Coaxial Cables

- Bare copper/Copper clad Aluminium conductor with PE insulation
- PVC/PE/LSZH outer jacket and Aluminium/Polyester foil shielding.
- TC braid wire.
- Range : RF 100 to RF 600
- RG 174 /U Coaxial Cable 50 Ohm TC Braid 90 % Coverage also available.



## INSTRUMENTATION, AUDIO & CONTROL CABLES

### 1. Shielded Multi Conductor Cable

- No: of core available: 2,3,4,6,8
- Bare Copper Conductor size range 12 AWG to 24 AWG
- PE Insulation, 100 % Aluminium Foil – Polyester Tape Shielded.
- PVC or LSZH Outer Jacket with Nylon rip cord.

### 2. Unshielded Multi Conductor Cable

- No: of core available: 2,3,4,6,8
- Bare Copper Conductor size range 12 AWG to 24 AWG
- PE / PP Insulation.
- PVC or LSZH Outer Jacket with Nylon rip cord.

### 3. Unshielded Paired Cable

- No: of pair available: 1,2,3,4
- Tinned Copper conductor & Solid bare copper.
- Conductor size range 14 AWG to 22 AWG
- PE / PVC Insulation.
- PVC or LSZH Outer Jacket.

### 4. Shielded Paired Cable

- No: of pair available: 1,2,3,4,6
- Conductor size range 12 AWG to 24 AWG
- Tinned Copper conductor & Solid bare copper.
- PE/PP Insulation, 100 % Aluminium Foil – Polyester Tape Shielded.
- PVC or LSZH Outer Jacket

### 5. Speaker Cable

- 2 core 12 & 14 AWG conductor cable
- Stranded Bare Copper.
- PVC insulation and PVC Outer Jacket.





## 6. Alarm Cable

- 2 core 12,14 & 16 AWG conductor cable available
- Bare Copper Solid or Stranded conductor
- PVC insulation and PVC, PE or LSZH Outer Jacket.
- Drain wire TC/ Bare Copper.
- Aluminium/Polyester Foil 110 % Coverage shielding.

## 7. BS5308 Part 1 & 2

- PE/XPE/LSZH/PVC insulation
- TC braid wire & Galvanized Steel Wire Armour.
- PVC/LSZH outer jacket.

### CABLE STANDARD

- Bs 5308 Part 1  
Type 1: PE Insulation/Al-Polyester Screen/Unarmoured  
Type 2: PE Insulation/Al-Polyester Screen/Armoured
- Bs 5308 Part 2  
Type 1: PVC Insulation/Al-Polyester Screen/Unarmoured  
Type 2: PVC Insulation/Al-Polyester Screen/Armoured

## 8. EIB Bus Cable

- 2 & 4 core 20 AWG conductor cable available
- Bare Copper Solid or Stranded conductor
- Aluminium/Polyester Foil 110 % Coverage shielding.
- TC drain wire
- PVC/LSZH outer jacket

## 9. EIA RS-232/422/485 Application 24 AWG Cable

- The 24 AWG Cable is constructed with PE insulation.
- 100 % Aluminium Foil Polyester Tape Overall Shielded.
- Tinned Copper Braid.
- PVC / LSZH Outer Jacket.

## 10. Control & Signal Cable

- Stranded Bare Copper (Class 5 according to BS EN 60228:2005)
- Flame Retardant PVC insulation
- Polyester Tape Over Cores separator
- Al-Polyester Tape Foil (100 % Coverage)
- TC Wire Braiding (70% coverage)
- Flame Retardant PVC sheath



## CABINET & ACCESSORIES

---

- Floor Standing Cabinet
- Next rack
- Floor Standing Cabinet IP55
- Wall Mount Cabinet Double section
- Wall Mount Cabinet IP 66
- Wall Mount Cabinet Single Section –Recessed
- Wall Mount Cabinet Single Section ES
- Wall Mount Cabinet Single Section-1
- Wall Mount Cabinet Single Section-2
- Blank Panel
- Brush Panel
- Cable Management
- Cage Nuts
- Cantilever Shelf
- Castors
- Digital Temperature Unit
- Fan Unit
- Fixed Shelf
- Keyboard Tray
- Open rack
- Plinth
- Power Distribution Unit
- Sliding Shelf



## FIRE RESISTANT CABLE

### 1. Fire Resistant Cable PH 120 SFR Insulation

- Solid bare Copper IEC 60228 class 1 conductor
- Fire resistant silicon rubber (HD 22.1, BS 7655 E12)
- Aluminium Laminated Polyester Tape Foil screen
- Fibre glass tape wrapped with Tinned Copper to BS 6360
- HFFR EN 50290-2 sheath material is used.
- Cable complies with EN 50200 PH 120, Annex E
- Flame Test: IEC 60332-3-24, IEC/EN 60332-1 - 2

### 2. FireNor FPLR Type-Power Limited Fire Alarm Cable

- 2 Core Bare Copper conductor (14 & 16 AWG)
- Constructed with FR-PVC/FPL insulation and outer jacket with FR-PVC/FPLR.
- P E tape shielding meeting UL 1666 specification.
- Cable complies with VW - 1 Flame Test requirements in ANSU/UL 1581.

### 3. FireNor PH30 Fire Resistant Cable

- Plain annealed copper to BS 6360 Solid conductor
- Fire Resistant Silicon Rubber to BS 7655 - E12 insulation
- Aluminium laminated Polyester Tape shield and TC earth wire.
- LSZH, Halogen Free Flame Retardant to EN 50290-2 outer jacket
- Cable complies with EN 50200 PH 30
- Flame Test: BS 4066 part 1 & 3, EN 50266-2-4, IEC 60332-3-24, IEC/EN 60332-1

### 4. FPLP Type Fire Alarm Cable

- Solid Bare Copper conductor
- PL-PVC insulation and outer jacket.
- Solid Aluminium drain wire and Aluminium foil shielding

### 5. MIC Light Duty Mineral Insulated Cable

- Conductor : Plain annealed solid Copper Conductor
- Insulation : Compressed Magnesium Oxide Powder (Inorganic)
- Sheath: Solid copper sheath and thermoplastic LSZH Sheath
- Manufacturing Standard : BS EN 60702-1
- Mineral Insulated Cable Accessories also available.



## DATA CENTRE PRODUCTS

- Aisle Rack
- Data Centre Full Catalogue
- Dual Rack
- Category 6 U/UTP Plug Lock Patch Cord
- Combined Fibre And Copper Patch Panel Unloaded
- Fibre Optic Easy Front Access Patch Panel
- FTP/STP Angled Patch Panel Tool less Blank
- Industrial High Density Power Distribution Unit - IEC CX Series
- Industrial Power Distribution Unit Surge Protector - IEC CX Series
- Intelligent PDU With Remote Monitoring
- Local Monitoring PDU With Industrial Socket
- Power Distribution Unit Surge Protector -IEC C13 Socket
- Surge Protector -IEC C19 PDU
- Category 6 U/ UTP Key Lock Patch Cord
- Power Distribution Unit Industrial Standard
- Fibre Optic Easy Front Access Patch Panel 72P
- Fibre Optic Easy Front Access Compact Patch Panel.

### MTP® Data Center Solutions

- MTP® Fibre Optic Solution includes:
- MTP® Cassette, 12 or 24 SC, LC Ports
- MTP® Trunk Cable
- MTP® Fan-out Hydra Cable with LC or SC Connectors
- Modular Patch Panel
- MTP® Connectors type:
- MTP® MM MT Elite® Multimode MT Ferrule
- MTP® Standard Multimode MT Ferrule
- MTP® SM MT Elite® Single-mode MT Ferrule
- MTP® Standard Single-mode MT Ferrule



In Lieu of the above, you are kindly requested to spare us a few minutes of your valuable time to enable us to further introduce our company and product range for your consideration. You will be introduced to a range of good products backed by decades of trust, quality and satisfaction.

Our reputation for quality and service is second to none and our entire team stands ready to work with you and your staff in anyway we an be of assistance.

We assure our steadfast association in terms of cooperation and co-efforts towards fulfilling your requirements in the best possible way and we look forward to your confirmation for the appointment to meet you.

Thanks and Regards,

NORDEN COMMUNICATION MIDDLEAST FZE  
P.O. Box. 341072  
Dubai Silicon Oasis  
Dubai, UAE  
Tel: +971 4 3926391 | FAX: +971 4 3926395  
E-mail: sales@nordencommunication.ae



# MEMBERSHIP CERTIFICATE

This certifies that

## Norden Communication UK Ltd

is a BICSI Member in good standing through

### October 1, 2016

Michael A. Collins, RCDD, RTPM, CCDA, NCE

John D. Clark Jr., Executive Director  
& Chief Executive Officer



advancing the information and  
communications technology community



Management Service

# CERTIFICATE

The Certification Body  
of TÜV SÜD Management Service GmbH  
certifies that



**NORDEN COMMUNICATION MIDDLE EAST FZE**  
P.O.BOX : 49908, HAMARIYAH FREE ZONE  
Sharjah  
United Arab Emirates

has established and applies  
a Quality Management System for

Supply of  
**Structured Cabling System / ELV Systems / Fire Alarm Cables /  
Public Address / Access Control / CCTV / BMS.  
Assembly and Supply of Metallic Cabinet Racks.**

An audit was performed, Report No. **70749599**.  
Proof has been furnished that the requirements  
according to

**ISO 9001:2008**

are fulfilled.

The certificate is valid from **2015-04-29** until **2018-04-28**.

Certificate Registration No. **12 100 35856 TMS**.

Product Compliance Management  
Munich, 2015-04-15







**DECLARATION OF CONFORMITY**

EUROPEAN EMC DIRECTIVE

**Applicant:** NORDEN COMMUNICATION UK LTD  
**Address:** 2<sup>nd</sup> FLOOR, 145-157, EC1V 4PY ST.JOHN STREET, LONDON, UNITED KINGDOM  
**Product:** PATCH PANEL  
**Model:** CAT6 UTP    CAT6 FTP    CAT6A UTP    CAT5E UTP    CAT5E FTP  
**Brand Name:** NORDEN  
**Standard(s):** EN 55022:2006  
 EN 55024:1998(EN 61000-4-2/ EN 61000-4-3/)  
**Report No.:** STDGZ-01640-E

According to the relevant test ,the sample mentioned above has been found to comply with the relevant harmonized standard(s) under the directive(s) 2004/108/EC.

The declaration is the responsibility of the manufacturer / importer.

THIS DOC IS ONLY VALID IN CONNECTION WITH TEST REPORT NUMBER:STDGZ-01640-E.



The evaluations and test results referenced from this declaration are relevant to the sample tested. In addition, the manufacturer shall keep the documentation according to the requirements of the relevant EC directive.

Test Laboratory

Supervisor:

Date:

Jun 19, 2006







**DECLARATION OF CONFORMITY**  
EUROPEAN EMC DIRECTIVE

**Applicant:** NORDEN COMMUNICATION UK LTD  
**Address:** LONDON, UNITED KINGDOM  
**Product:** FACE PLATE KEYSTONE JACK  
**Model:** CAT6 CAT6A CAT5E RJ11 EURO FLOOR STYLE  
BT  
**Standard(s):** EN 55022:2006, EN 55024:1998( EN 61000-4-2/ EN 61000-4-3)  
**Brand Name:** NORDEN  
**Report No.:** STDGZ-01562-E

According to the relevant test, the sample mentioned above has been found to comply with the relevant harmonized standard(s) under the directive(s) 2004/108/EC.

The declaration is the responsibility of the manufacturer / importer.

THIS DOC IS ONLY VALID IN CONNECTION WITH TEST REPORT NUMBER: STDGZ-01562-E.



The evaluations and test results referenced from this declaration are relevant to the sample tested. In addition, the manufacturer shall keep the documentation according to the requirements of the relevant EC directive.

Test Laboratory

Supervisor:

Date:

Mar 20, 2008

(stamp)





3933 US ROUTE 11, CORTLAND, NEW YORK 13045  
 Phone Number: 1-800-345-3851 Fax Number: 607-758-3648

## REPORT OF TEST

Norden Communication UK Ltd  
 20-22 Wenlock Road, London, N1 7GU  
 United Kingdom

*The products described in this Report were tested for compliance to the standard(s) listed below. The products listed below are not part of an Intertek Verification Program and the results are provided to the client as a one time performance test.*

**Reference Intertek Report Nos.:** 102276109CRT-001 and 102276109CRT-002

**Date:** September 9, 2015

### Test:

Electrical performance testing of a 100 $\Omega$  4 Pair telecommunication cable to the requirements of ANSI/TIA-568-C.2 and IEC 61156-5 (as referenced in ISO/IEC 11801) for Category 6 cable.

### Standards and sections used:

ANSI/TIA-568-C.2-2009: Balanced Twisted-Pair Telecommunications Cabling and Components Standards, dated August 2009  
 6.4: Horizontal cable transmission performance (6.4.1 to 6.4.27)

IEC 61156-5 Edition 2.1, Multicore and symmetrical pair/quad cables for digital communications - Part 5: Symmetrical pair/quad cables with transmission characteristics up to 1000MHz - Horizontal floor wiring - Sectional specification, dated December 2012 (6.2.1, 6.2.2, 6.2.5 to 6.2.6 and 6.3.1 to 6.3.11)

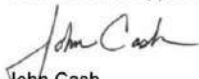
### Sample description:


The client supplied 100 meters of a 4x23 AWG, U/UTP, CMX, Horizontal (solid) cable, identified as part number 113-11001104GY. The sample was received on August 26, 2015 and was a production sample in good condition.

### Conclusion:

The 100 $\Omega$ , 4-Pair telecommunication cable, as previously described and supplied by the client, was tested in accordance with the standards listed above, and did comply with the indicated applicable transmission requirements. The testing was performed at Intertek located in Cortland, New York.

Reviewed and approved by:

  
 John Cash  
 Associate Engineer  
 Global Cabling Products Testing

  
 Antoine Pelletier  
 Project Engineer  
 Global Cabling Products Testing

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to copy or distribute this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program.

**DECLARATION OF CONFORMITY**

## EUROPEAN EMC DIRECTIVE

**Applicant:** NORDEN COMMUNICATION UK LTD  
**Address:** 2nd FLOOR 145-157, EC1V 4PY ST.JOHN STREET, LONDON  
UNITED KINGDOM  
**Product:** Communication Cable  
**Model:** CAT6A U/UTP CABLE; CAT6A F/UTP; CAT6A U/FTP  
CAT6A S/FTP ,CAT6A F/FTP, CAT7 S/FTP; CAT7A S/FTP  
**Standard(s):** EN 55022-1:2006+A1:2003+A1:2007 (EN 61000 - 4 - 2: 2009);  
(EN 61000 - 4 - 3:2006+A1:2008+A2:2010)  
**Brand mark:** NORDEN  
**Report No.:** STDGZ-121205-E

According to the relevant test ,the sample mentioned above has been found to comply with the relevant harmonized standard(s) under the directive(s) 2004/108/EC.  
The declaration is the responsibility of the manufacturer / importer.  
This doc is only valid in connection with test report number:STDGZ-121205-E.



The evaluations and test results referenced from this declaration are relevant to the sample tested. In addition, the manufacturer shall keep the documentation according to the requirements of the relevant EC directive.

## Test Laboratory

Supervisor: 

Date: Dec. 27, 2012

(stamp)







# Loss Prevention Certification Board



## This is to certify

### **NORDEN COMMUNICATION UK LTD**

2<sup>nd</sup> Floor, 145-157 St John Street, London, UK EC1V 4PY

is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix.

#### **FireNor PH30**

(refer to attached Appendix for details)

has complied with the requirements of the following:

**BS 6387: 1994 – Performance requirements for cables required to maintain circuit integrity under fire conditions.**

and achieved:

**Class PH30 when tested in accordance with BS EN 50200: 2006 – Method of test for resistance to fire of unprotected small cables for use in emergency circuits.**

Certificate No. 711c-(cl-1)

Issue No. 01

Date of Issue 16 May 2011

This certificate is valid until withdrawn by LPCB  
To check the validity and the authenticity of this certificate please  
visit our website [www.RedBookLive.com](http://www.RedBookLive.com) or contact us.

Signed on behalf of LPCB

Name: E MATTIE-SULEIMAN



LPCB is part of BRE Global Ltd., Garston, Watford WD25 9XX Tel +44 (0)1923 664100

Fax +44 (0)1923 664603 [www.RedBookLive.com](http://www.RedBookLive.com)

This certificate remains the property of BRE Global Ltd and is issued subject to terms and conditions and is maintained and held in force through regular surveillance activities.



Loss Prevention Certification Board



APPENDIX TO CERTIFICATE NO. 711c-(cl-1)  
 NORDEN COMMUNICATION UK LTD

Products	LPCB Ref. No.		
FireNor PH30	711c/01		
Nominal csa of conductors (mm <sup>2</sup> )	Core construction (excluding drain wire & earth)	BS 6387	BS EN 50200
1.0 <sup>(1)</sup>	2, 3 & 4	C, W, Z	Class PH30
1.5 <sup>(1)</sup>	2, 3 & 4	C, W, Z	Class PH30
2.5 <sup>(1)</sup>	2, 3 & 4	C, W, Z	Class PH30

Uo/U 300/500V

Note 1: Solid conductor only

This certificate is valid until withdrawn by LPCB  
 To check the validity and the authenticity of this certificate please  
 visit our website [www.RedBookLive.com](http://www.RedBookLive.com) or contact us.

Signed on behalf of LPCB

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Date of Issue 16 May 2011

Issue No. 01

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11/07/2013

DUXR2.E337220 - Communications-circuit Accessories - Component



ONLINE CERTIFICATIONS DIRECTORY

**DUXR2.E337220**  
**Communications-circuit Accessories - Component**[Page Bottom](#)**Communications-circuit Accessories - Component**[See General Information for Communications-circuit Accessories - Component](#)**NORDEN COMMUNICATION UK LTD**

E337220

2ND FL  
145-157 ST JOHNS ST  
LONDON, EC1V 4PY UNITED KINGDOM**Modular jacks**, Model(s) 122-31P181X-CAT6, KJC6UD2BL-CAT6**Patch panels**, Model(s) 121-01P18124B-24P-CAT6, P6EUD2024-24P-CAT6

Marking: Company name and model designation.

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DUXR.E337220 - Communications-circuit Accessories



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**DUXR.E337220  
Communications-circuit Accessories**[Page Bottom](#)**Communications-circuit Accessories**[See General Information for Communications-circuit Accessories](#)**NORDEN COMMUNICATION UK LTD**

E337220

2ND FL  
145-157 ST JOHNS ST  
LONDON, EC1V 4PY UNITED KINGDOM**Modular patch cords**, Model(s) 127-\*\*1\*\*X, 127-\*\*5\*\*X

\* - - Represents the production series number and where X could be the color

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11/07/2013 DVBI.E356695 - Local Area Network Cable Verified for Transmission Performance in Accordance with National or International Specifications



ONLINE CERTIFICATIONS DIRECTORY

**DVBI.E356695**  
**Local Area Network Cable Verified for Transmission Performance in Accordance with National or International Specifications**

[Page Bottom](#)

**Local Area Network Cable Verified for Transmission Performance in Accordance with National or International Specifications**

[See General Information for Local Area Network Cable Verified for Transmission Performance in Accordance with National or International Specifications](#)

**NORDEN COMMUNICATION UK LTD**  
2ND FL  
145-157 ST JOHNS ST  
LONDON, EC1V 4PY UNITED KINGDOM

E356695

**Data transmission cable**

**CM - Listed and verified in accordance with:**

ANSI/TIA-568-C.2 Category 3, 5E, 6, 6A.  
ISO/IEC 11801 Category 5E.  
UL Data Transmission Program (CAT 5).

**CM Patch Cable - Listed and verified in accordance with:**

ANSI/TIA-568-C.2 Category 3, 5E.  
ISO/IEC 11801 Category 5E.  
UL Data Transmission Program (CAT 5).

**CMG - Listed and verified in accordance with:**

ANSI/TIA-568-C.2 Category 3, 5E, 6, 6A.  
ISO/IEC 11801 Category 5E, 6.  
UL Data Transmission Program (CAT 5).

**CMG Patch Cable - Listed and verified in accordance with:**

ANSI/TIA-568-C.2 Category 3, 5E, 6.  
ISO/IEC 11801 Category 5E, 6.  
UL Data Transmission Program (CAT 5).

**CMP - Listed and verified in accordance with:**

ANSI/TIA-568-C.2 Category 3, 5E, 6.  
UL Data Transmission Program (CAT 5).

**CMR - Listed and verified in accordance with:**

ANSI/TIA-568-C.2 Category 3, 5E, 6, 6A.  
ISO/IEC 11801 Category 5E, 6.  
UL Data Transmission Program (CAT 5).

**CMR Patch Cable - Listed and verified in accordance with:**

ANSI/TIA-568-C.2 Category 3, 5E, 6.  
ISO/IEC 11801 Category 5E, 6.  
UL Data Transmission Program (CAT 5).

**CMX - Listed and verified in accordance with:**

database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/showpage.html?name=DVBI.E356695&ccnshorttitle=Local+Area+Network+Cable+Verified+for+Trans... 1/2





11/07/2013      DVBLE356695 - Local Area Network Cable Verified for Transmission Performance in Accordance with National or International Specifications  
ANSI/TIA-568-C.2 Category 3, 5E, 6, 6A.  
ISO/IEC 11801 Category 5E, 6.  
UL Data Transmission Program (CAT 5).

**CMX Patch Cable - Listed and verified in accordance with:**

ANSI/TIA-568-C.2 Category 3, 5E, 6.  
ISO/IEC 11801 Category 5E, 6.  
UL Data Transmission Program (CAT 5).

Last Updated on 2013-07-04

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11/07/2013

QAYK.E337238 - Optical Fiber Cable



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**QAYK.E337238**  
**Optical Fiber Cable**[Page Bottom](#)**Optical Fiber Cable**[See General Information for Optical Fiber Cable](#)**NORDEN COMMUNICATION UK LTD**  
2ND FL  
145-157 ST JOHNS ST  
LONDON, EC1V 4PY UNITED KINGDOM

E337238

Type OFNR.

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11/07/2013

DUZX.E318213 - Communications Cable



ONLINE CERTIFICATIONS DIRECTORY

**DUZX.E318213  
Communications Cable**[Page Bottom](#)**Communications Cable**[See General Information for Communications Cable](#)**NORDEN COMMUNICATION UK LTD**  
2ND FL  
145-157 ST JOHNS ST  
LONDON, EC1V 4PY UNITED KINGDOM

E318213

Type(s) CM, CMG, CMP, CMR, CMX

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HNIR.E465991 - Power-limited Fire Alarm Cable

<http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/sho...>

ONLINE CERTIFICATIONS DIRECTORY

**HNIR.E465991**  
**Power-limited Fire Alarm Cable**[Page Bottom](#)**Power-limited Fire Alarm Cable**[See General Information for Power-limited Fire Alarm Cable](#)**NORDEN COMMUNICATION UK LTD**

E465991

20-22 Wenlock Road  
LONDON, N1 7GU UNITED KINGDOM

Type(s) FPL, FPLP, FPLR

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**Certificate of Product Approval**

Certificate Number: 711c-(cl-1)

Issue: 02

**NORDEN COMMUNICATION UK LTD**

20-22 Wenlock Road  
London  
N1 7GU  
United Kingdom



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

**Product(s)**

Cable Types as listed below:  
FireNor PH30  
See Certificate Appendix for details

**Standard(s) (see Appendix for details)**

BS 6387:1994 Category C,W,Z  
EN 50200:2006 (Class PH30)

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*David Hoare*

Signed for LPCB

David Hoare  
Certification Scheme Manager

30 October 2014  
Date of issue

16 May 2011  
Date of First Issue



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**Appendix to Certificate No: 711c-(cl-1)**  
**NORDEN COMMUNICATION UK LTD**

**Issue: 02**

Product name			LPCB Ref. No.
FireNor PH30			711c/01
Nominal csa of conductor (mm <sup>2</sup> )	Core Construction (excluding drain wire and earth)	BS 6387	EN 50200
1.0 <sup>(1)</sup>	2, 3 & 4	C,W,Z	PH30
1.5 <sup>(1)</sup>	2, 3 & 4	C,W,Z	PH30
2.5 <sup>(1)</sup>	2, 3 & 4	C,W,Z	PH30

**Uo/U 300/500V**

**Notes:**

- 1. Solid conductor only.

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*David Hoare*

Signed for LPCB

David Hoare  
 Certification Scheme Manager

30 October 2014  
 Date of Issue

16 May 2011  
 Date of First Issue



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**Certificate of Product Approval**

Certificate Number: 948a-(cl-1)

Issue: 02

**NORDEN COMMUNICATION UK LTD**

20-22 Wenlock Road  
London  
N1 7GU  
United Kingdom



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

**Product(s)**

Cable Types as listed below:  
NORDEN MI BARE CABLE (LIGHT DUTY)  
See Certificate Appendix for details

**Standard(s) (see Appendix for details)**

EN 60702-1:2002  
BS 6387:2013 Category C,W,Z

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for LPCB

David Hoare  
Certification Scheme Manager

30 October 2014  
Date of Issue

29 August 2014  
Date of First issue



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**Appendix to Certificate No: 948a-(cl-1)  
NORDEN COMMUNICATION UK LTD**

**Issue: 02**

Product name		LPCB Ref. No.	
NORDEN MI BARE CABLE (LIGHT DUTY)		948a/01	
Nominal csa of conductor (mm <sup>2</sup> )	Core Construction (excluding drain wire and earth)	EN 60702-1	BS 6387
1.0 <sup>1, 2</sup>	2, 3, 4 & 7	Complies	C, W, Z
1.5 <sup>1, 2</sup>	2, 3, 4 & 7	Complies	C, W, Z
2.5 <sup>1, 2</sup>	2, 3, 4 & 7	Complies	C, W, Z
4.0 <sup>1, 2</sup>	2	Complies	C, W, Z

**Uo/U 300/500V**

**Notes:**

1. Solid conductor only.
2. The above cables are certified in Bare construction only.

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for LPCB

David Hoare  
Certification Scheme Manager

30 October 2014  
Date of Issue

29 August 2014  
Date of First issue



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# TEST REPORT

EMC Directive  
2004/108/EC

Report No.:  
STDGZ-01640-E





## Verification of Conformity

The submitted sample of the following equipment has been tested for CE marking according to the following European Directive: the EMC Directive 2014/30/EU.

**Applicant name & address** : NORDEN COMMUNICATON UK LTD  
20-22 Wenlock Road, London, N1 7GU,  
United Kingdom

**Manufacturer site** : NORDEN COMMUNICATON UK LTD  
20-22 Wenlock Road, London, N1 7GU,  
United Kingdom

**Product Name** : Audio system

**Brand Name** : NVS

**Model(s)** : N-3104;N-5302; N-5702A; N-16774W; NI-11240S; NS-8332

**Technical Data** : Not Applicable

**Serial Number** : Not Applicable

**Report No.** : HYT201507091121E

Test Standards	
EN 55022: 2010	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
EN 55024: 2010	Information technology equipment - Immunity characteristics - Limits and methods of measurement

**Note:** This verification is part of the full test report(s) and should be read in conjunction with it.



  
Sunny He  
Manager  
Date: Jul.09, 2015



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**Certificate of Product Approval**

Certificate Number: 711d (cl-2)

Issue: 01

**NORDEN COMMUNICATION UK LIMITED**

20-22 Wenlock Road,  
London,  
N1 7GU,  
UK



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

**Product(s)**

Cable Types as listed below:  
Firenor SFR FE 180 PH 120  
See Certificate Appendix for details

**Standard(s) (see Appendix for details)**

BS 7629-1:2008  
BS 6387:2013  
EN 50200:2006 (Class PH120)  
EN 50200:2006 Annex E (30 mins)  
BS 5839-1:2013 (Clause 26.2d Standard)

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*Damien Ward*

Signed for LPCB

Damien Ward  
Certification Manager

24 November 2015  
Date of Issue

23 September 2015  
Date of First Issue



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**Appendix to Certificate No: 711d (cl-2)**  
**NORDEN COMMUNICATION UK LIMITED**

**Issue: 01**

Product name						LPCB Ref. No.
Firenor SFR FE 180 PH 120						711d/01
Nominal csa of conductor (mm <sup>2</sup> )	Core Construction (excluding drain wire & earth)	BS 7629-1	BS 6387	EN 50200	EN 50200 Annex E	BS 5839-1 Clause 26.2
1.5	2 <sup>(1)</sup>	Complies <sup>(2)</sup>	CWZ	PH120	30min <sup>(3)</sup>	Standard <sup>(4)</sup>
2.5	2 <sup>(1)</sup>	Complies <sup>(2)</sup>	CWZ	PH120	30min <sup>(3)</sup>	Standard <sup>(4)</sup>

**Uo/U 300/500 V**

**Notes:**

1. Solid conductor only.
2. In meeting the requirements of BS 7629-1:2008, the Firenor SFR FE 180 PH 120 cables listed met the requirements for smoke density of EN 61034-2:2005, the fire resistance requirements of BS 6387:2013 Categories CWZ and achieved less than 0.5%HCl for the outer covering, tapes and insulation when tested in accordance with EN 60754-1:2014.
3. The duration of 30min when tested in accordance with EN 50200:2006 Annex E is achieved by 15min for the fire and mechanic shock phase and a further 15min for the fire mechanic shock and water phase.
4. The Firenor SFR FE 180 PH 120 cables listed conform to BS 7629-1:2008 met Class PH120 when tested in accordance with EN 50200:2006 and met the 30min duration when tested in accordance with EN 50200:2006 Annex E and hence met the requirements for a standard fire resistant cable as described in Clause 26.2 of BS 5839-1:2013.

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*Damien Ward*

Signed for LPCB

**Damien Ward**  
 Certification Manager

**24 November 2015**  
 Date of Issue

**23 September 2015**  
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**Certificate of Product Approval**

Certificate Number: 948b-(cl-1)

Issue: 02

**NORDEN COMMUNICATION UK LTD**

20-22 Wenlock Road  
London  
N1 7GU  
United Kingdom



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

**Product(s)**

Cable Types as listed below:  
NORDEN MI SERVED CABLE (LIGHT DUTY)  
See Certificate Appendix for details

**Standard(s) (see Appendix for details)**

EN 60702-1:2002  
BS 6387:2013 Category C,W,Z  
EN 50200:2006 (Class PH120)  
BS 8434-2:2003+A2:2009 (120 mins)  
BS 5839-1:2013 (Clause 26.2e Enhanced)  
EN 50267-2-1:1999

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*David Hoare*

David Hoare  
Certification Scheme Manager

30 October 2014  
Date of Issue

29 August 2014  
Date of First Issue



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**Appendix to Certificate No: 948b-(cl-1)**  
**NORDEN COMMUNICATION UK LTD**

**Issue: 02**

Product name							LPCB Ref. No.
NORDEN MI SERVED CABLE (LIGHT DUTY)							948b/01
Nominal csa of conductor (mm <sup>2</sup> )	Core Construction (excluding drain wire and earth)	EN 60702-1	BS 6387	EN 50200	BS 8434-2	BS 5839-1 Clause 26.2	EN 50267-2-1 (outer covering)
1.0 <sup>(1,2)</sup>	2, 3, 4 & 7	Complies	C,W,Z	Class PH120	120min	Enhanced <sup>(4)</sup>	<0.5& HCl
1.5 <sup>(1,2)</sup>	2, 3, 4 & 7	Complies	C,W,Z	Class PH120	120min	Enhanced <sup>(4)</sup>	<0.5& HCl
2.5 <sup>(1,2)</sup>	2, 3, 4 & 7	Complies	C,W,Z	Class PH120	120min	Enhanced <sup>(4)</sup>	<0.5& HCl
4.0 <sup>(1,2)</sup>	2	Complies	C,W,Z	Class PH120	120min	Enhanced <sup>(4)</sup>	<0.5& HCl

**Uo/U 300/500V**

**Notes:**

1. Solid conductor only.
2. The above cables are certified in Served construction only.
3. In meeting the requirements of EN 60702-1:2002, the NORDEN MI SERVED CALBE (LIGHT DUTY) listed met the requirements of smoke density of IEC 61034-2:2005 and also met the requirements of pH & conductivity when tested in accordance with IEC 60754-2:2001.
4. The NORDEN MI SERVED CABLE (LIGHT DUTY) listed conform to EN 60702-1:2001, met Class PH120 when tested in accordance with EN 50200:2006 and met a duration of 120min when tested in accordance with 8434-2:2003+A2:2009 and hence met the requirements for an Enhanced fire resistant cable as described in Clause 26.2 of BS 5839-1:2013.

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*David Hoare*  
Signed for LPCB

David Hoare  
Certification Scheme Manager

30 October 2014  
Date of Issue

29 August 2014  
Date of First issue



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REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 1 of 17

## TEST REPORT

### Table of contents

<b>1</b>	<b>General information</b>	<b>2</b>
1.1	Application details	2
	● Details of applicant	2
	● Details of approval holder	2
1.2	Description of the test item	2
1.3	Test standards	2
1.4	Test Conclusion	3
<b>2</b>	<b>Test Results</b>	<b>4</b>
2.1	General Information	5
	● Description of the Equipment under Test (EUT)	5
	● Sample Receiving Date	5
	● Testing Period	5
	● Test Arrangement	6
	● Test Result	12
<b>3</b>	<b>Photos</b>	<b>17</b>





REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 2 of 17

## TEST REPORT

### 1 General information

#### 1.1 Application details

##### ● Details of applicant

Name : NORDEN COMMUNICATION UK LTD  
Address : 2<sup>nd</sup> FLOOR, 145-157, EC1V 4PY ST.JOHN STREET, LONDON,  
UNITED KINGDOM  
Telephone : +044 0 2077887663  
Fax : +044 0 2032921987  
Contact : MR.DAVID  
Telephone : +044 0 2077887663

##### ● Details of approval holder

Name : NORDEN COMMUNICATION UK LTD  
Address : 2<sup>nd</sup> FLOOR, 145-157, EC1V 4PY ST.JOHN STREET, LONDON,  
UNITED KINGDOM  
Telephone : +044 0 2077887663  
Fax : +044 0 2032921987  
Contact : MR.DAVID  
Telephone : +044 0 2077887663

#### 1.2 Description of the test item

Name of product: PATCH PANEL  
Model No: CAT6 UTP  
Brand Name: NORDEN  
Technical Parameter: /

#### 1.3 Test standards

EN 55022:2006, EN 55024:1998(EN 61000-4-2/ EN 61000-4-3/)







REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 3 of 17

**TEST REPORT**

**1.4 Test Conclusion**

The submitted test sample complied with test standards as listed.

Jun 19, 2009



Date

reviewed by





REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 4 of 17

## TEST REPORT

### 2 Test Results

 1st test

 test after modification

 production test

Test Emission / Immunity		Done	Test passed	N.A.
Conducted Emission	EN 55022: 2006	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Radiated Emission	EN 55022: 2006	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Current Harmonics	EN 61000 - 3 - 2: 2006	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Voltage Fluctuations	EN 61000 - 3 - 3: 1995+A1:2001+ A2:2005	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Electrostatic Discharge	EN 61000 - 4 - 2: 1995+A1:1998+A2:2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiated Immunity	EN 61000 - 4 - 3: 2006	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrical Fast Transients	EN 61000 - 4 - 4: 2004	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Transients comm.& diff.mode	EN 61000 - 4 - 5: 2006	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RF continues conducted	EN 61000 - 4 - 6: 1996+A1:2001	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Magn.-Field Immunity	EN 61000 - 4 - 8: 2001	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Voltage dips and Interruption	EN 61000 - 4 - 11: 2004	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>





REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 5 of 17

**TEST REPORT**

**2.1 General Information**

● **Description of the Equipment under Test (EUT)**

Name of Product: PATCH PANEL  
Model No. : CAT6 UTP  
Brand Name: NORDEN  
Electrical Rating : /

● **Sample Receiving Date**

Jun 17, 2009

● **Testing Period**

From Jun 17, 2009 to Jun 19, 2009

\*\*\*\*\*End of Page\*\*\*\*\*





REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 6 of 17

## TEST REPORT

- **Test Arrangement**

### 1. Radiated emission

#### **Test configuration**

The test configuration corresponds to the standard EN 55022. The equipment under test is placed on a non metallic table with 0.8m high.

The power supply and the RF connection points are close to the equipment under test at the floor inside a connection box. The cables to this connection box are shielded and below the double floor. The receiving antenna is placed in a height at 1.0m to 4.0m, in a distance of 10m. The measurement receiver is placed in a special room. (See picture 1) The observation of the equipment under test is realized by 3 video cameras and by a microphone.

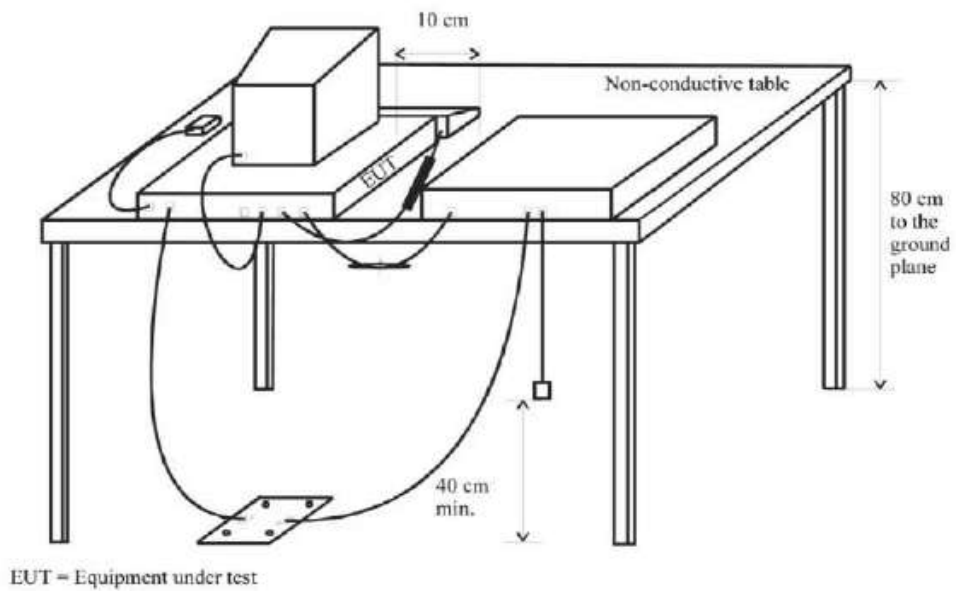
#### **Test parameters and marginal conditions**

The test is carried out with horizontal and vertical polarization of the antenna in a frequency range of 30 MHz to 1000 MHz. Further information please find in the test protocol.



**TEST REPORT**

**Radiated Emission according to  
EN 55022**



**Picture 1**



REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 8 of 17

## TEST REPORT

### 2. Electrostatic Discharge

#### Test configuration

The test configuration is in correspondence to the standard EN 61000-4-2. The equipment under test is placed on a wooden table with one metal plate on its top and one metal plate under the table, which is grounded. Both plates are connected with two 470 k $\Omega$  resistor in series. (See picture 2).

#### Test parameters and marginal conditions

The test is carried out with  $\pm 2$ kV,  $\pm 4$ kV and  $\pm 6$ kV contact discharge and  $\pm 2$ kV,  $\pm 4$ kV and  $\pm 8$ kV air discharge. The tested points please find in the test protocol.

Observation of the equipment under test.





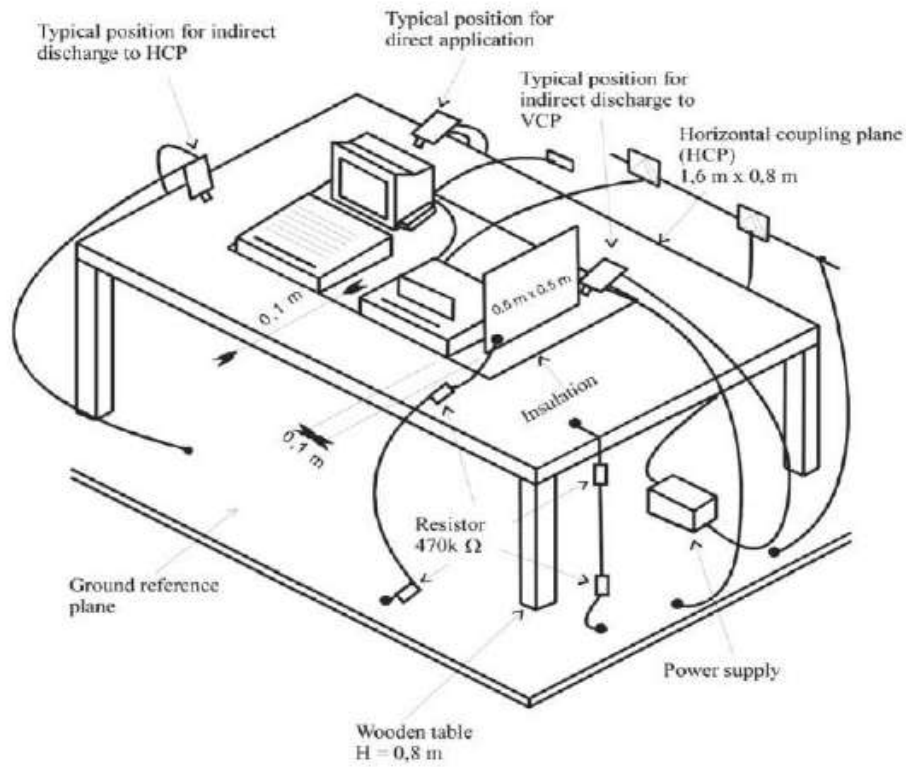
REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 9 of 17

**TEST REPORT**

**Electrostatic Discharge according to  
EN 61000 - 4 - 2**



Picture 2





REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 10 of 17

### **TEST REPORT**

#### **3. RF Electromagnetic Field (80-1000 MHz)**

##### **Test configuration**

The test configuration is contained inside of a shielded chamber and corresponds to the standard EN 61000-4-3. The equipment under test is placed in the facility on a wooden table 0.8m high on the centre axis of the chamber. The power supply and the RF connection points are close to the equipment under test at the floor of the chamber inside a connection box. The cables to this connection box are shielded and below the double floor. The transmitting antenna is placed in a height of 1.5m, in a distance of 3.0m. The RF-generators are placed in a special room adjacent to the chamber. (See picture 5) The observation of the equipment under test is realized by 3 video cameras and by a microphone.

##### **Test parameters and marginal conditions**

The tests are carried out with field strength by 3 V/m (measured in the unmodulated field) with amplitude modulated signal by a depth of 80 % by a sinusoidal audio signal of 1 kHz. The logarithmic step was 1% and the remaining time was 1s. Further information please find in test protocol.

Observation of the equipment under test.







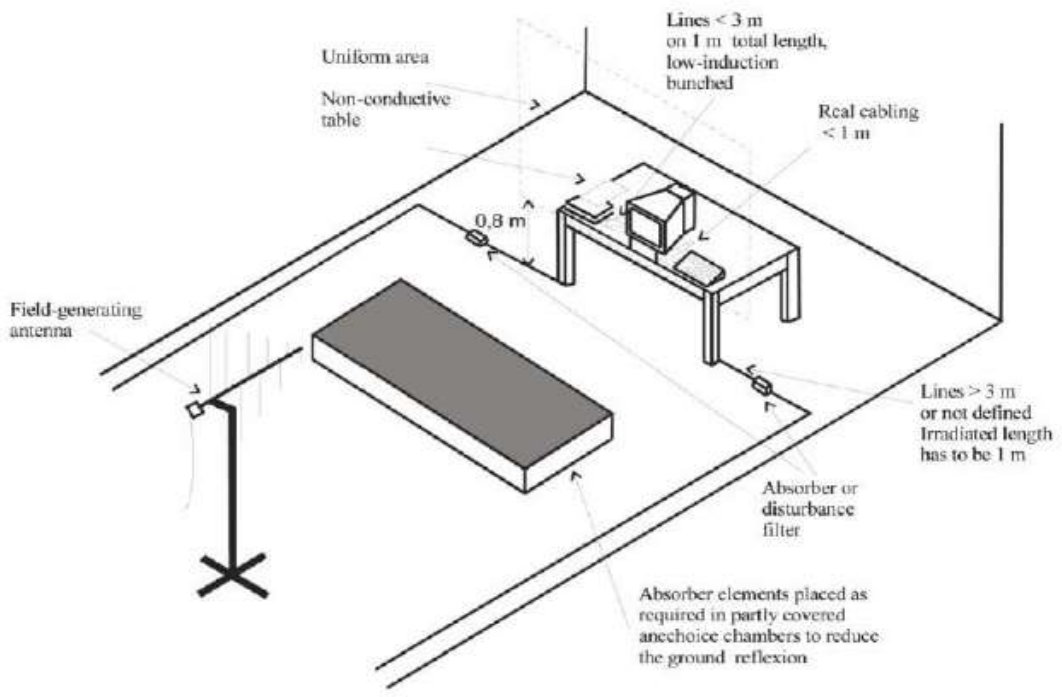
REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 11 of 17

**TEST REPORT**

**RF - Field according to  
EN 61000 - 4 - 3**



**Picture 3**





REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 12 of 17

**TEST REPORT**

● **Test Result**

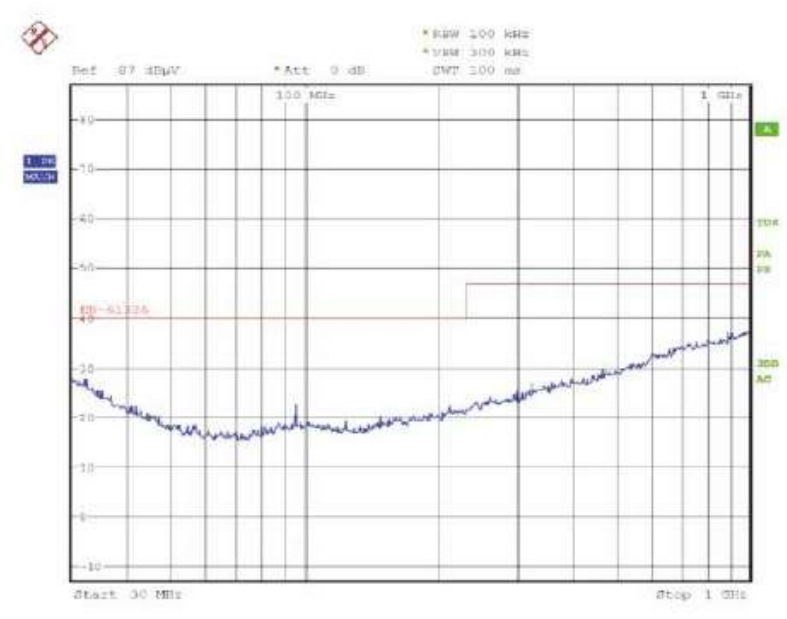
**A. Radiated Emission**

Standard : EN 55022  
 Product : PATCH PANEL  
 Model No : CAT6 UTP  
 Date : Jun 19, 2009  
 Operator : Jerry  
 Class : B

Temperature: 25°C  
 Pressure: 1000hPa  
 Rel. humidity : 58%

**A.1 Test chart**

Antenna Polarity: Horizontal



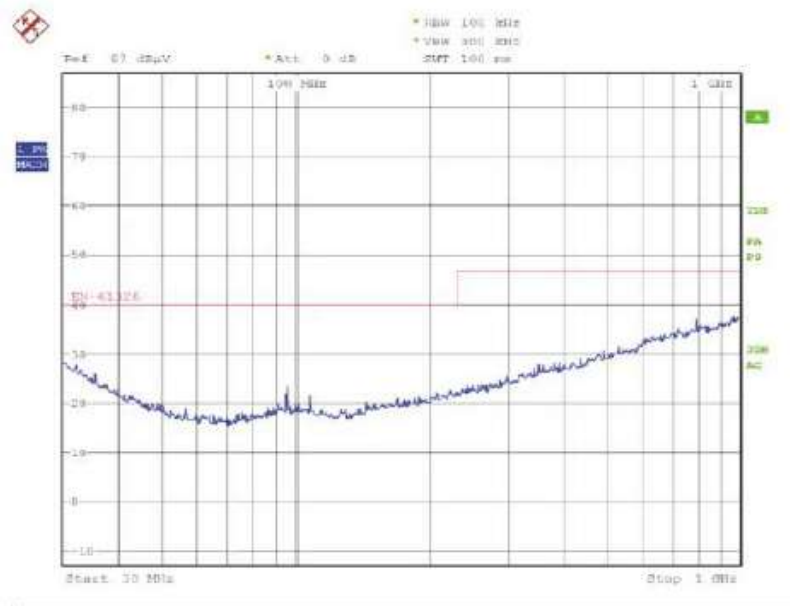


REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 13 of 17

**TEST REPORT**  
Antenna Polarity: Vertical





REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 14 of 17

## TEST REPORT

### B. ESD

Standard : EN 61000-4-2  
 Product : PATCH PANEL  
 Model No: CAT6 UTP  
 Date : Jun 19, 2009  
 Operator : Jerry  
 Class : B

Temperature: 25°C
Pressure: 1000hPa
Rel. humidity : 58%

### B.1 Test Data

Test point	Table (T) Floor (F)	Contact (C) Air (A)	Voltage (kV)	Nos of Discharge	Duration s	Polarity (+ / -)	Remarks
Enclosure	T	A	4,8	10*4	1	+ / -	A
Metal	T	C	2,4	10*4	1	+ / -	A
HCP	T	C	2,4	10*4	1	+ / -	A
VCP	T	C	2,4	10*4	1	+ / -	A

Remarks : A :No change shall be observable in the operation.

B :There shall be no degradation of safety requirements and no alteration in the operating mode or of the stored data.





REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 15 of 17

### TEST REPORT

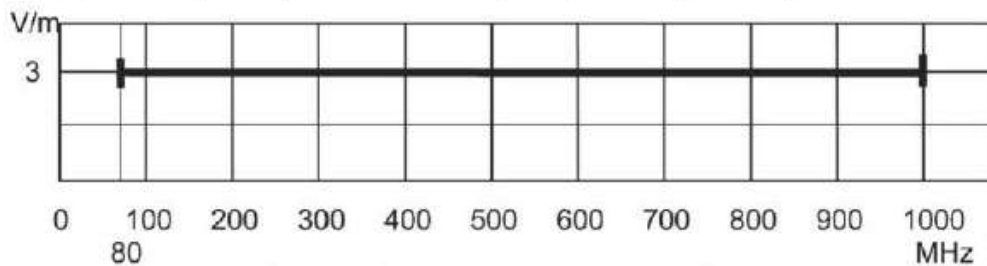
#### C. RF Field

Standard : EN 61000-4-3  
 Product : PATCH PANEL  
 Model No: CAT6 UTP  
 Date : Jun 19, 2009  
 Operator : Jerry  
 Class : B

Temperature: 25°C  
 Pressure: 1000hPa  
 Rel. humidity : 58%

#### C.1 Test Data

Severity Level: 2 (3 V/m) Modulation Frequency: 1 kHz (80%AM)



Severity Level: 2 (3 V/m) Pulse Modulation: 900±5, Duty Cycle:50,  
 Rep.Freq.Hz:200

#### Remarks :

- A: No change shall be observable in the operation.  
 B: There shall be no degradation of safety requirements and no alteration in the operating mode or of the stored data.





REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 16 of 17

**TEST REPORT****Manufacturer/ Approval holder Declaration**

The following model(s):

1. CAT6 FTP
2. CAT6A UTP
3. CAT5E UTP
4. CAT5E FTP

are said to be the same circuitry design as the tested model which is representative of the serie

Product description: PATCH PANEL  
Model name: CAT6 UTP





REPORT NO. : STDGZ-01640-E

DATE: Jun 19, 2009

PAGE: 17 of 17

### TEST REPORT

#### 3 Photos

Product Photos:



\*\*\*\*\*End of Report\*\*\*\*\*





# TEST REPORT

EMC Directive  
2004/108/EC

Report No.:  
STDGZ-01562-E







REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 1 of 21

## TEST REPORT

### Table of contents

<b>1</b>	<b>General information</b>	<b>2</b>
1.1	<b>Application details</b>	<b>2</b>
	Details of applicant	2
	Details of approval holder	2
1.2	<b>Description of the test item</b>	<b>2</b>
1.3	<b>Test standards</b>	<b>2</b>
1.4	<b>Test Conclusion</b>	<b>3</b>
<b>2</b>	<b>Test Results</b>	<b>4</b>
2.1	<b>General Information</b>	<b>4</b>
	Description of the Equipment under Test (EUT)	4
	Sample Receiving Date	5
	Testing Period	5
	Test Arrangement	6
	Test Result	14
<b>3</b>	<b>Photos</b>	<b>21</b>





REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 2 of 21

## TEST REPORT

### 1 General information

#### 1.1 Application details

##### ● Details of applicant

Name : NORDEN COMMUNICATION UK LTD  
Address : LONDON, UNITED KINGDOM  
Telephone : 0044-2078732404  
Fax : 0044-2077883496  
Contact : MR. DAVID  
Telephone : 0044-2078732404

##### ● Details of approval holder

Name : NORDEN COMMUNICATION UK LTD  
Address : LONDON, UNITED KINGDOM  
Telephone : 0044-2078732404  
Fax : 0044-2077883496  
Contact : MR. DAVID  
Telephone : 0044-2078732404

#### 1.2 Description of the test item

Name of product: FACE PLATE KEYSTONE JACK  
Model No: CAT6  
Brand Name: NORDEN  
Technical Parameter: ---

#### 1.3 Test standards

EN 55022:2006, EN 55024:1998( EN 61000-4-2/ EN 61000-4-3/)





REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 3 of 21

**TEST REPORT****1.4 Test Conclusion**

The submitted test sample complied with test standards as listed.

Mar 20, 2009

Date

reviewed by





REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 4 of 21

## TEST REPORT

### 2 Test Results

 1st test

 test after modification

 production test

Test Emission / Immunity		Done	Test passed	N.A.
Conducted Emission	EN 55022: 2006	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiated Emission	EN 55022: 2006	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Current Harmonics	EN 61000 - 3 - 2: 2006	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Voltage Fluctuations	EN 61000 - 3 - 3: 1995+A1:2001+ A2:2005	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Electrostatic Discharge	EN 61000 - 4 - 2: 1995+A1:1998+A2:2001	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Radiated Immunity	EN 61000 - 4 - 3: 2006	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Electrical Fast Transients	EN 61000 - 4 - 4: 2004	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Transients comm.& diff.mode	EN 61000 - 4 - 5: 2006	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
RF continues conducted	EN 61000 - 4 - 6: 1996+A1:2001	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Magn.-Field Immunity	EN 61000 - 4 - 8: 2001	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Voltage dips and Interruption	EN 61000 - 4 - 11: 2004	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

#### 2.1 General Information

- Description of the Equipment under Test (EUT)

Name of Product: FACE PLATE KEYSTONE JACK  
 Model No. : CAT6  
 Electrical Rating : ---





REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 5 of 21

**TEST REPORT**

- **Sample Receiving Date**

Mar 16, 2009

- **Testing Period**

From Mar 16, 2009 to Mar 20, 2009

\*\*\*\*\*End of Page\*\*\*\*\*





REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 6 of 21

## TEST REPORT

- **Test Arrangement**

### 1. **Conducted Emission (EN 55022)**

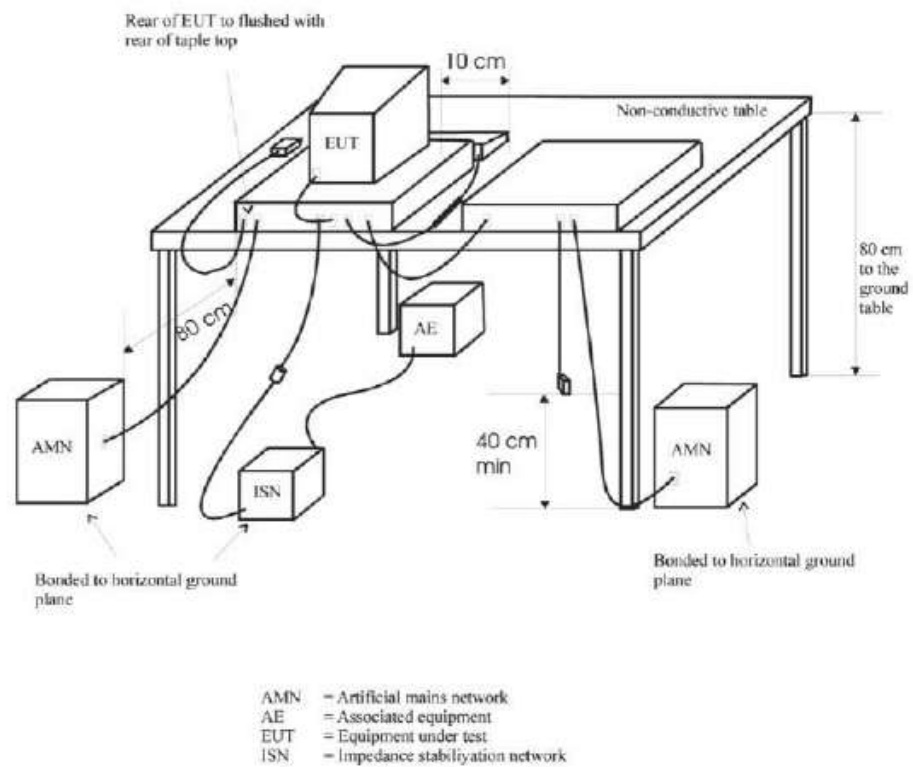
#### **Test configuration**

The test configuration is contained inside of a shielded chamber and corresponds to the standard EN 55022. The equipment under test is placed in the facility on a wooden table 0.8m high. The equipment under test is connected with the artificial mains network (AMN) in a distance of 0.8m and also 0.8m from other subassembly and metallic area. (See picture 1) The observation of the equipment under test is realized by 3 video cameras and by a microphone.

#### **Test parameters and marginal conditions**

The test is carried out with nominal impedance by  $50\Omega / 50\mu\text{H}$  of the AMN in a frequency range 150 kHz to 30 MHz. Further information please find in test report..



**TEST REPORT****Conducted Emission according to  
EN 55022**

Picture 1



REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 8 of 21

## TEST REPORT

### 2. Radiated emission

#### Test configuration

The test configuration corresponds to the standard EN 55022. The equipment under test is placed on a non metallic table with 0.8m high.

The power supply and the RF connection points are close to the equipment under test at the floor inside a connection box. The cables to this connection box are shielded and below the double floor. The receiving antenna is placed in a height at 1.0m to 4.0m, in a distance of 10m. The measurement receiver is placed in a special room. (See picture 2) The observation of the equipment under test is realized by 3 video cameras and by a microphone.

#### Test parameters and marginal conditions

The test is carried out with horizontal and vertical polarization of the antenna in a frequency range of 30 MHz to 1000 MHz. Further information please find in the test protocol.







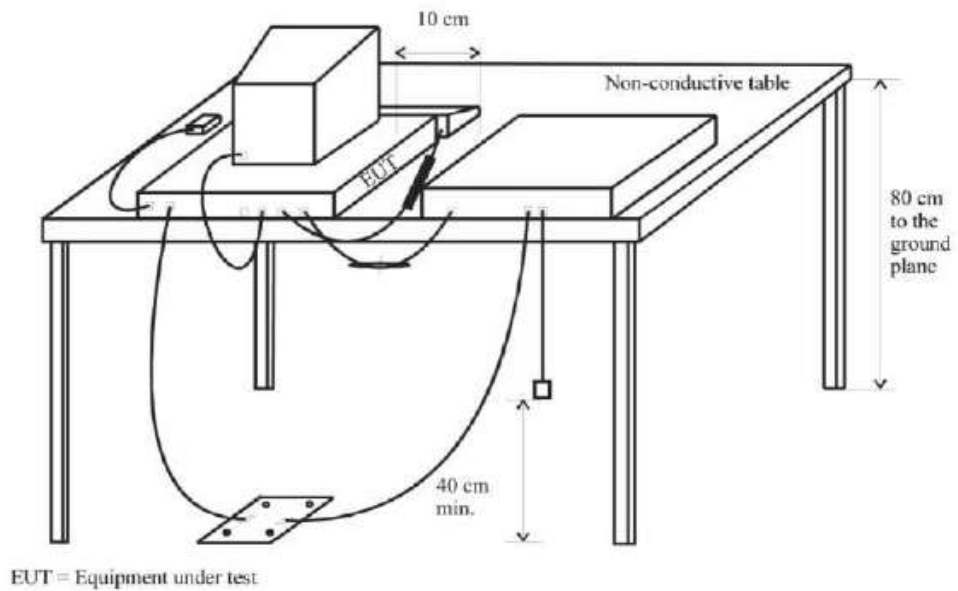
REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 9 of 21

**TEST REPORT**

**Radiated Emission according to  
EN 55022**



Picture 2





REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 10 of 21

## TEST REPORT

### 3. Electrostatic Discharge

#### Test configuration

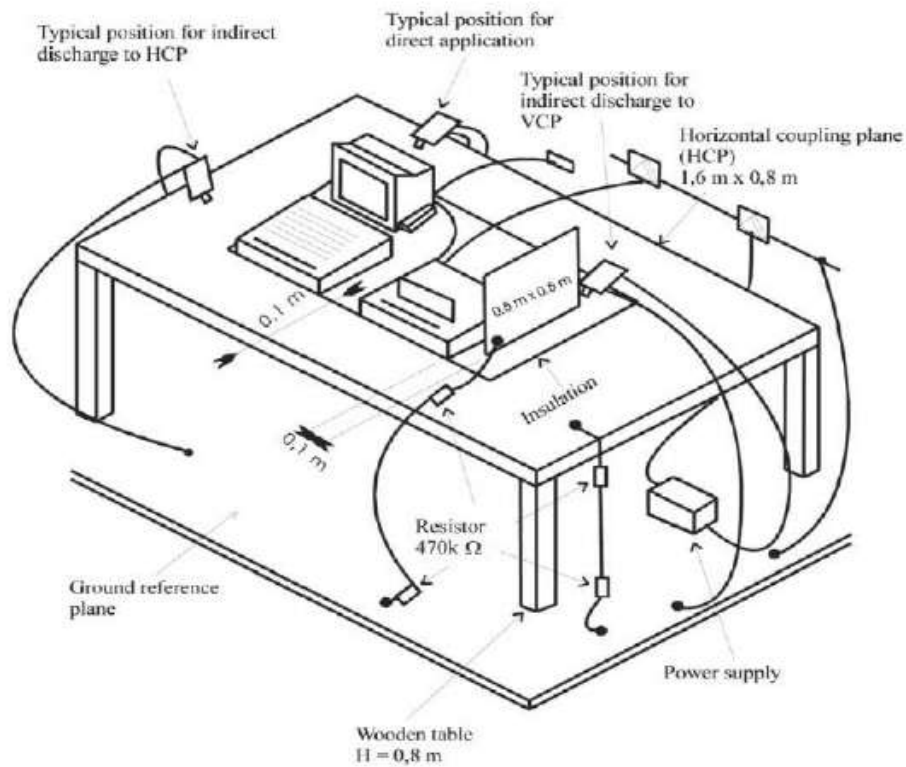
The test configuration is in correspondence to the standard EN 61000-4-2. The equipment under test is placed on a wooden table with one metal plate on its top and one metal plate under the table, which is grounded. Both plates are connected with two 470 k $\Omega$  resistor in series. (See picture 3).

#### Test parameters and marginal conditions

The test is carried out with  $\pm 2$ kV,  $\pm 4$ kV and  $\pm 6$ kV contact discharge and  $\pm 2$ kV,  $\pm 4$ kV and  $\pm 8$ kV air discharge. The tested points please find in the test protocol.

Observation of the equipment under test.



**TEST REPORT****Electrostatic Discharge according to  
EN 61000 - 4 - 2**

Picture 3



REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 12 of 21

## TEST REPORT

### 4. RF Electromagnetic Field (80-1000 MHz)

#### Test configuration

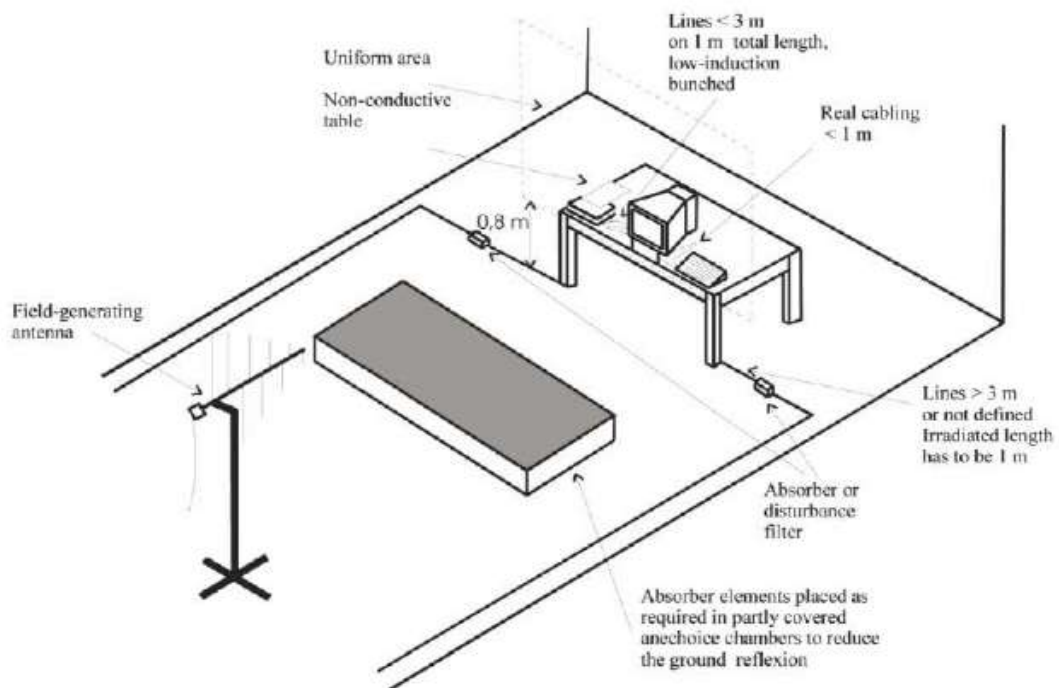
The test configuration is contained inside of a shielded chamber and corresponds to the standard EN 61000-4-3. The equipment under test is placed in the facility on a wooden table 0.8m high on the centre axis of the chamber. The power supply and the RF connection points are close to the equipment under test at the floor of the chamber inside a connection box. The cables to this connection box are shielded and below the double floor. The transmitting antenna is placed in a height of 1.5m, in a distance of 3.0m. The RF-generators are placed in a special room adjacent to the chamber. (See picture 4) The observation of the equipment under test is realized by 3 video cameras and by a microphone.

#### Test parameters and marginal conditions

The tests are carried out with field strength by 10 V/m (measured in the unmodulated field) with amplitude modulated signal by a depth of 80 % by a sinusoidal audio signal of 1 kHz. The logarithmic step was 1% and the remaining time was 1s. Further information please find in test protocol.

Observation of the equipment under test.



**TEST REPORT****RF - Field according to  
EN 61000 - 4 - 3****Picture 4**



REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 14 of 21

**TEST REPORT**

● **Test Result**

**A. Conducted Emission**

Standard : EN 55022  
 Product : FACE PLATE KEYSTONE JACK  
 Model No : CAT6  
 Date : Mar 19, 2009  
 Operator : Yam  
 Class : B

Temperature: 25°C
Pressure: 1000hPa
Rel. humidity : 61%

Frequency Range	Network	Passed	Failed	Number of Rechecks
150 kHz - 30 MHz	R&S	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0

**A.1 Test Data**

Detected Peaks:





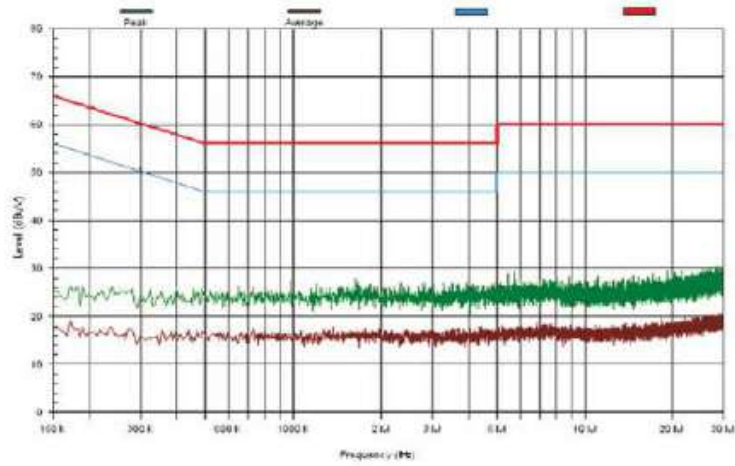
REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

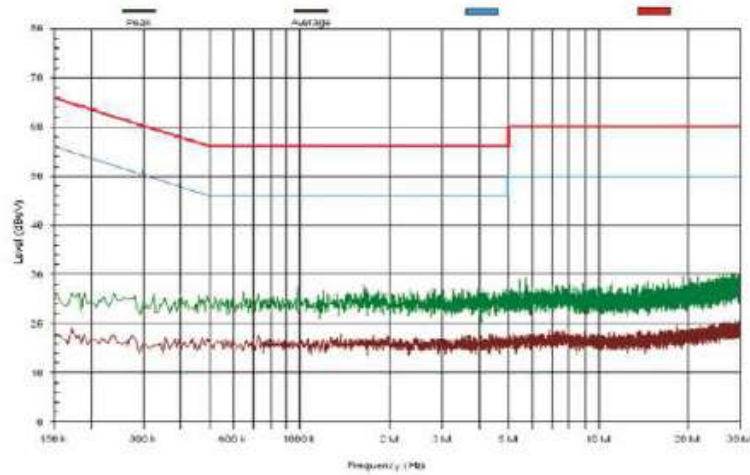
PAGE: 15 of 21

**TEST REPORT**

**Port: L**



**Port: N**







REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 16 of 21

**TEST REPORT**

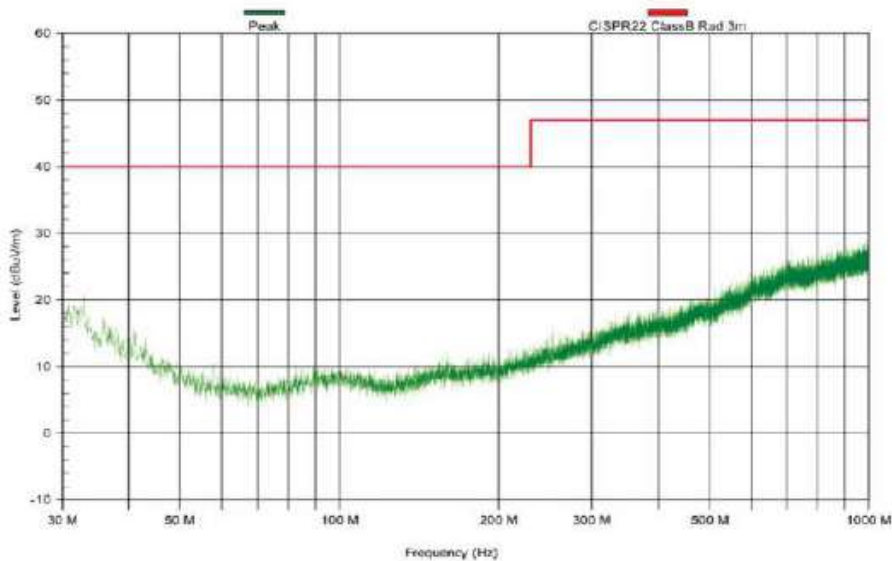
**B. Radiated Emission**

Standard : EN 55022  
 Product : FACE PLATE KEYSTONE JACK  
 Model No : CAT6  
 Date : Mar 19, 2009  
 Operator : Yam  
 Class : B

Temperature: 25°C  
 Pressure: 1000hPa  
 Rel. humidity : 61%

**B.1 Test Data/chart**

Antenna Polarity: Horizontal



Antenna Polarity: Vertical





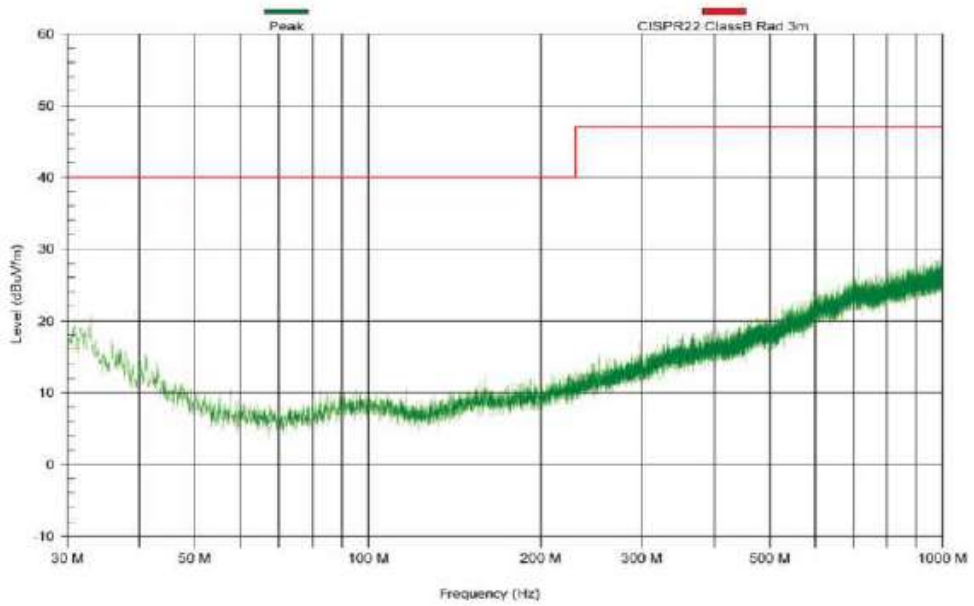


REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 17 of 21

### TEST REPORT





REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 18 of 21

### TEST REPORT

#### C. ESD

Standard : EN 61000-4-2  
 Product : FACE PLATE KEYSTONE JACK  
 Model No : CAT6  
 Date : Mar 19, 2009  
 Operator : Yam  
 Class : B

Temperature: 25°C
Pressure: 1000hPa
Rel. humidity : 54%

Test point	Table (T) Floor (F)	Contact (C) Air (A)	Voltage (kV)	Nos of Discharge	Duration s	Polarity (+ / -)	Remarks
Housing	T	C	2, 4	10 <sup>4</sup>	1	+ / -	A
Enclosure	T	A	4, 8	10 <sup>4</sup>	1	+ / -	A
HCP	T	C	2, 4	10 <sup>4</sup>	1	+ / -	A
VCP	T	C	2, 4	10 <sup>4</sup>	1	+ / -	A

Remarks : A :No change shall be observable in the operation.

B :There shall be no degradation of safety requirements and no alteration in the operating mode or of the stored data.





REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 19 of 21

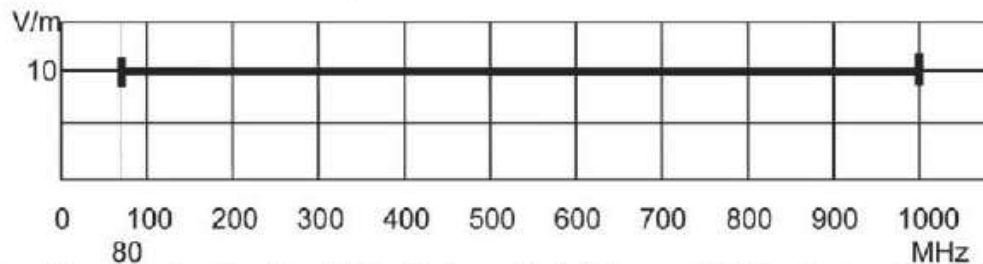
### TEST REPORT

#### D. RF Field

Standard : EN 61000-4-3  
 Product : FACE PLATE KEYSTONE JACK  
 Model No: CAT6  
 Date : Mar 19, 2009  
 Operator : Yam  
 Class : B

Temperature: 25°C  
 Pressure: 1000hPa  
 Rel. humidity : 61%

Severity Level: 2 (3 V/m) Modulation Frequency: 1 kHz (80%AM)



Severity Level: 2 (3 V/m) Pulse Modulation: 900±5, Duty Cycle:50,  
 Rep.Freq.Hz:200

#### Remarks :

- A: No change shall be observable in the operation.
- B: There shall be no degradation of safety requirements and no alteration in the operating mode or of the stored data.





REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 20 of 21

**TEST REPORT****Manufacturer/ Approval holder Declaration**

The following model(s):

1. CAT6A
2. CAT5E
3. RJ11
4. EURO
5. FLOOR STYLE
6. BT

are said to be the same circuitry design as the tested model which is representative of the series

Product description: FACE PLATE KEYSTONE JACK  
Model name: CAT6





REPORT NO. : STDGZ-01562-E

DATE: Mar 20, 2009

PAGE: 21 of 21

**TEST REPORT**

**3 Photos**

Product Photos:



\*\*\*\*\*End of Report\*\*\*\*\*





NORDEN

a.sor

Page 1

Measuring Time: 27-05-2008 10:02:17  
 Cable Labeling:  
 Fiber Labeling:  
 Start Position:  
 Over position:  
 Fiber Type: 62.5/125um  
 Operator:

Measurement Parameters

Range 5.0km Pulsewidth 100 ns  
 Wavelength 850nm IOR 1.496

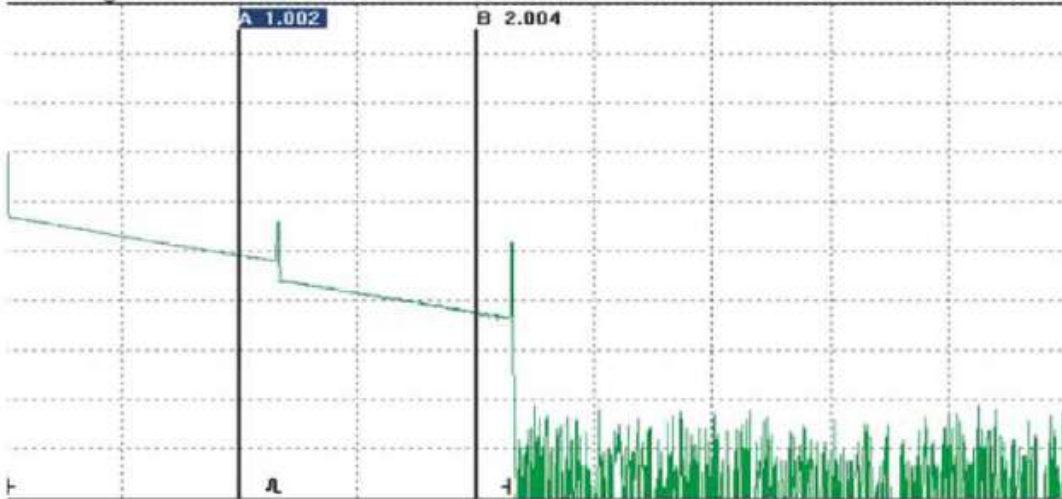


Table Incident

NO	Event type	Location[km]	Refl[dB]	Ins.Loss.[dB]	Attn.[Db/km]	Cum.L.[dB]
1	Beginning event	0.000	-33.728	---	---	---
2	Reflect event	1.157	-35.488	3.223	2.385	2.758
3	End event	2.158	-38.472	---	2.429	8.359

2008-05-27



NORDEN

a.sor

Page1

Measuring Time: 03-03-2009 18:12:27  
 Cable Labeling:  
 Fiber Labeling:  
 Start Position:  
 Over position:  
 Fiber Type: G652D  
 Operator:

Measurement Parameters

Range	5.0km	Pulsewidth	100 ns
Wavelength	1550nm	IOR	1.467
Scat Coef	-42.00dB	Average time	0:00:08
End.Thre	0.08dB	Onrefl.Thre	0.20 dB
Refl.Thre	-98.00dB		

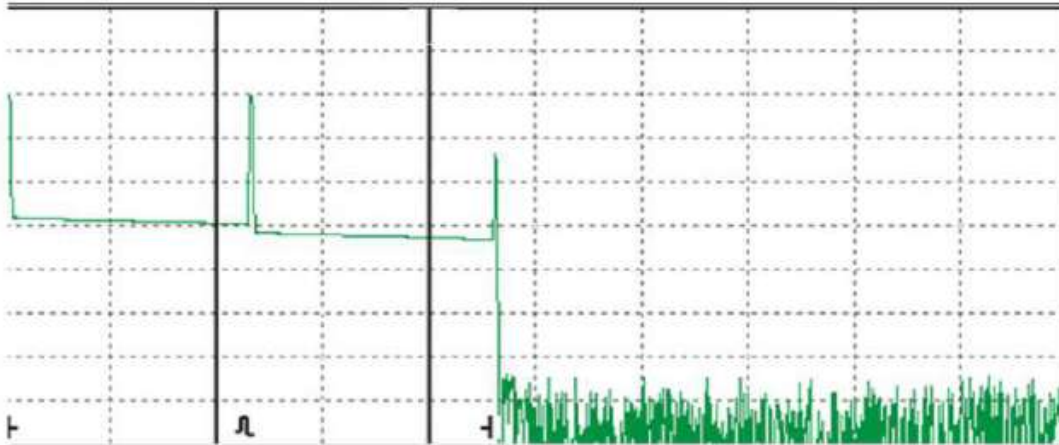


Table Incident

NO	Event type	Location[km]	Refl[dB]	Ins.Loss.[dB]	Attn.[Db/km]	Cum.L.[dB]
1	Beginning event	0.000	-33.514	---	---	---
2	Reflect event	1.301	-32.452	0.317	0.157	0.352
3	End event	2.322	-39.485	---	0.192	0.319

2009-03-03





**Cable ID:KJC6UDBL(NORDEN)**

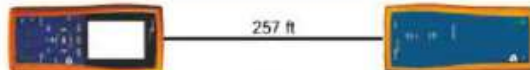
**Test Summary: PASS**

Date / Time: 07/09/2009 03:49:02pm  
 Headroom: 5.4 dB (NEXT 36-78)  
 Test Limit: TIA Cat 6 Perm. Link  
 Cable Type: Cat 6 UTP

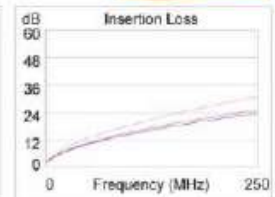
Operator: Your Name  
 Software Version: 2.1200  
 Limits Version: 1.2800  
 NVP: 69.0%

Model: DTX-1800  
 Main S/N: 9394023  
 Remote S/N: 9394024  
 Main Adapter: DTX-PLA001  
 Remote Adapter: DTX-PLA001

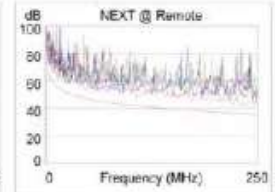
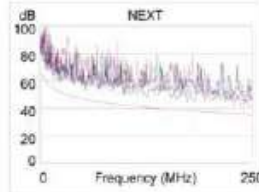
Wire Map (T568B)  
**PASS**



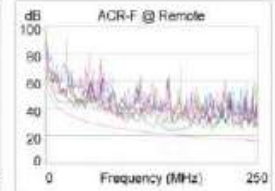
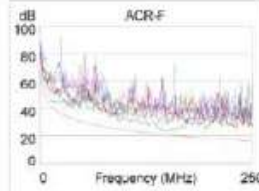
Length (ft), Limit 295	[Pair 78]	257
Prop. Delay (ns), Limit 498		396
Delay Skew (ns), Limit 44		18
Resistance (ohms)	[Pair 45]	15.3
Insertion Loss Margin (dB)	[Pair 45]	5.8
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	31.1



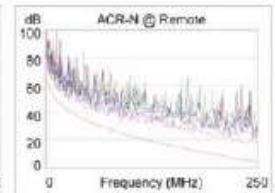
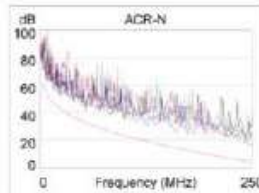
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-78	12-45	36-78	12-45
<b>NEXT (dB)</b>	5.4	5.9	5.4	5.9
Freq. (MHz)	229.5	236.0	229.5	236.0
Limit (dB)	35.9	35.7	35.9	35.7
Worst Pair	36	45	36	12
<b>PS NEXT (dB)</b>	8.2	6.4	6.4	8.6
Freq. (MHz)	237.5	25.6	250.0	245.5
Limit (dB)	33.1	48.9	32.7	32.8



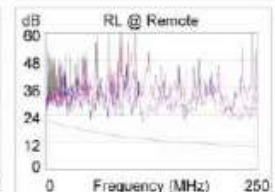
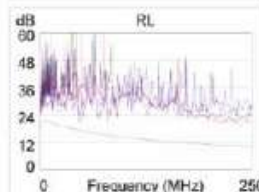
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-45	36-45	36-45	36-45
<b>ACR-F (dB)</b>	1.9	2.3	1.9	2.5
Freq. (MHz)	147.5	147.0	147.5	152.5
Limit (dB)	20.8	20.8	20.8	20.5
Worst Pair	45	36	12	78
<b>PS ACR-F (dB)</b>	4.7	4.7	8.6	8.5
Freq. (MHz)	147.5	148.0	233.0	233.0
Limit (dB)	17.8	17.8	13.8	13.8



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>N/A</b>				
Worst Pair	36-45	36-45	36-45	12-45
<b>ACR-N (dB)</b>	7.5	7.2	11.9	11.3
Freq. (MHz)	16.5	16.5	250.0	236.5
Limit (dB)	47.2	47.2	4.2	5.6
Worst Pair	36	45	45	12
<b>PS ACR-N (dB)</b>	8.0	7.7	12.4	13.6
Freq. (MHz)	16.5	25.6	249.5	245.5
Limit (dB)	44.9	39.9	1.7	2.1



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	78	12	36	78
<b>RL (dB)</b>	3.4	4.6	9.0	7.6
Freq. (MHz)	47.3	25.9	238.5	114.5
Limit (dB)	17.3	18.9	10.2	13.4



Compliant Network Standards:  
 10GBASE-T      100BASE-TX      100BASE-T4  
 1000BASE-T      ATM-25            ATM-S1  
 ATM-155        100VG-AnyLan    TR-4  
 TR-16 Active    TR-16 Passive

LinkWare Version: 5.0

Project: DEFAULT  
 Site: Client Name



UNTITLED.flw





**Cable ID: P6EUD2024(NORDEN)**

**Test Summary: PASS**

Date / Time: 05/27/2009 09:52:48am  
 Headroom: 4.7 dB (NEXT 12-36)  
 Test Limit: TIA Cat 6 Perm. Link  
 Cable Type: Cat 6 UTP

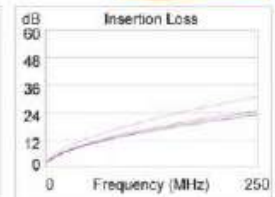
Operator: Your Name  
 Software Version: 2.1200  
 Limits Version: 1.2800  
 NVP: 69.0%

Model: DTX-1800  
 Main S/N: 9394023  
 Remote S/N: 9394024  
 Main Adapter: DTX-PLA001  
 Remote Adapter: DTX-PLA001

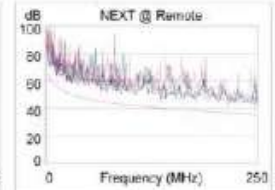
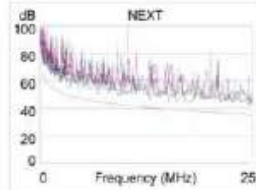
Wire Map (T568B)  
**PASS**



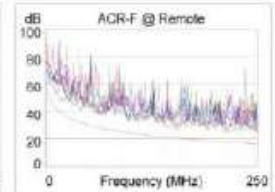
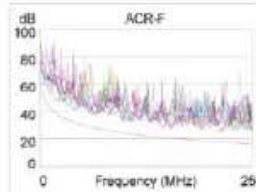
Length (ft), Limit 295	[Pair 78]	264
Prop. Delay (ns), Limit 498		407
Delay Skew (ns), Limit 44		18
Resistance (ohms)	[Pair 36]	12.0
Insertion Loss Margin (dB)	[Pair 45]	6.2
Frequency (MHz)	[Pair 45]	250.0
Limit (dB)	[Pair 45]	31.1



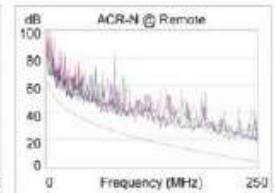
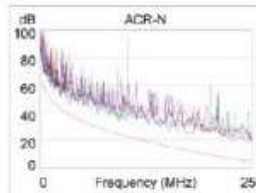
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	12-36	12-78	45-78	45-78
<b>NEXT (dB)</b>	4.7	5.2	6.9	6.2
Freq. (MHz)	153.5	136.5	248.0	250.0
Limit (dB)	38.8	39.6	35.4	35.3
Worst Pair	36	78	36	78
<b>PS NEXT (dB)</b>	5.8	5.4	5.8	5.8
Freq. (MHz)	228.5	136.5	228.5	250.0
Limit (dB)	33.4	37.1	33.4	32.7



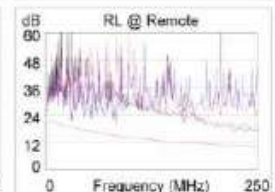
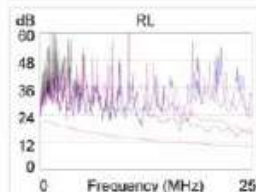
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	12-78	78-12	12-78	12-45
<b>ACR-F (dB)</b>	6.2	5.9	7.1	8.0
Freq. (MHz)	147.5	147.5	214.0	250.0
Limit (dB)	20.8	20.8	17.6	16.2
Worst Pair	36	78	12	12
<b>PS ACR-F (dB)</b>	6.7	7.8	8.3	8.6
Freq. (MHz)	155.5	191.0	250.0	250.0
Limit (dB)	17.4	15.6	13.2	13.2



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>N/A</b>				
Worst Pair	12-36	12-78	36-45	45-78
<b>ACR-N (dB)</b>	7.2	8.3	13.6	14.3
Freq. (MHz)	31.1	4.6	246.5	250.0
Limit (dB)	40.1	59.3	4.6	4.2
Worst Pair	78	78	45	45
<b>PS ACR-N (dB)</b>	7.9	7.6	13.1	12.9
Freq. (MHz)	24.3	4.8	247.0	250.0
Limit (dB)	40.6	56.8	1.9	1.6



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	12	78	45	45
<b>RL (dB)</b>	2.9	2.4	4.1	6.1
Freq. (MHz)	31.0	31.3	232.0	222.5
Limit (dB)	18.5	18.5	10.3	10.5



Compliant Network Standards:  
 10GBASE-T      100BASE-TX      100BASE-T4  
 1000BASE-T      ATM-25            ATM-S1  
 ATM-155        100VG-AnyLan    TR-4  
 TR-16 Active    TR-16 Passive

LinkWare Version: 5.0

Project: DEFAULT  
 Site: Client Name



test.flw



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Page 1  
DCM ES-350PC Revision A3.4

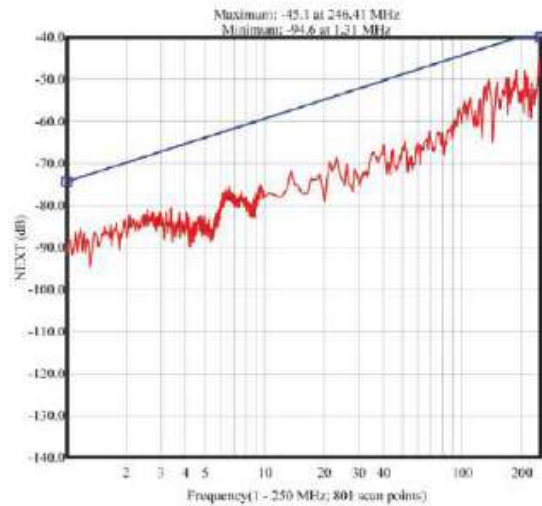
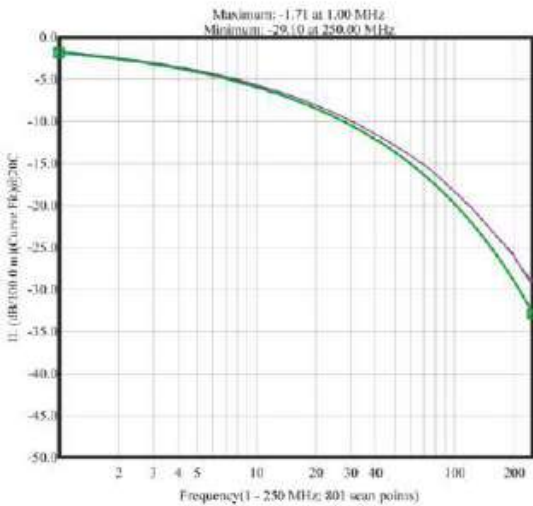
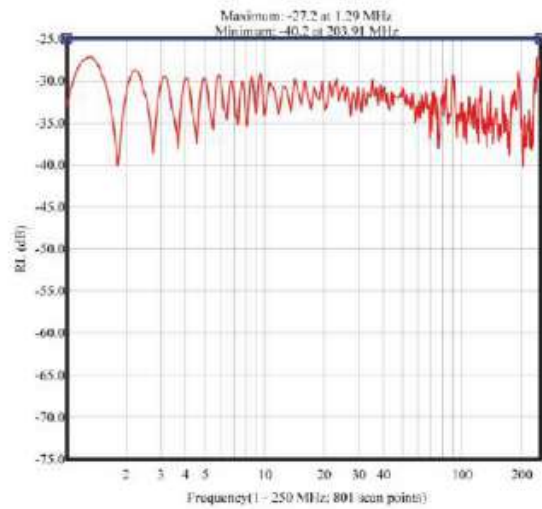
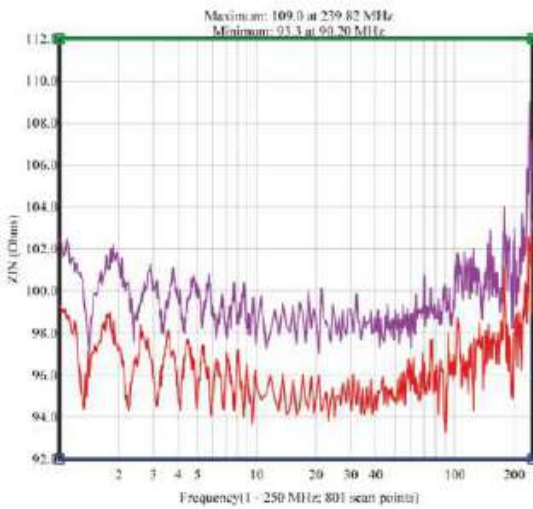
**DCM Test Report**

Cable Type : 4x2x23 x PE	Factory Number : NORDEN	Data File Name : DA011949.PCD
Cable LD : CAT 6 UTP PVC	Order Number : ND-011041	Specification File : CAT 6 250MHz TIA-EIA-568-B.2-1
Temperature : 20.00 °F	Operator : DCM	Test Date : 03/03/2009
Length : 100.00 m	Number of Pairs to Test : 4	Test Time : 10:32:30 AM
Starting Position : 1		Analyzer Type : HP8712ES

**Worst Case Summary**

**High Frequency**

Test Type	Specification	Measured (Pair)	Margin	@ Frequency (MHz)	Test Result
Input Impedance (Zin)(Open/Short)	85.0 (Min)	93.3 (Pair 1)	8.3	90.20	Passed
Input Impedance (Zin)(Open/Short)	115.0 (Max)	109.0 (Pair 2)	6.0	239.82	Passed
Return Loss (RL)	24.0 (Min)	29.2 (Pair 1)	4.3	9.46	Passed
Insertion Loss (IL)(Curve F1)@20C	2.32 (Max)	2.23 (Pair 1)	0.09	1.58	Passed
Near End Crosstalk Loss (NEXT)	38.4 (Min)	45.1 (Pairs 2-4)	6.7	246.41	Passed
Equal Level FEXT Loss (ELFEXT)	24.1 (Min)	29.9 (Pairs 2-4)	5.8	153.64	Passed
Power Sum NEXT (PSNEXT)	36.4 (Min)	43.0 (Pair 4)	6.6	246.41	Passed
Power Sum ELFEXT (PS ELFEXT)	19.7 (Min)	25.8 (Pair 2)	6.1	179.97	Passed



N/A = Not Applicable.  
-- = Disable/Bypassed Pair.

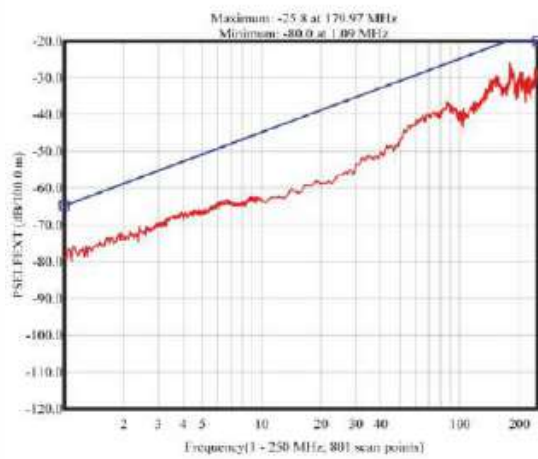
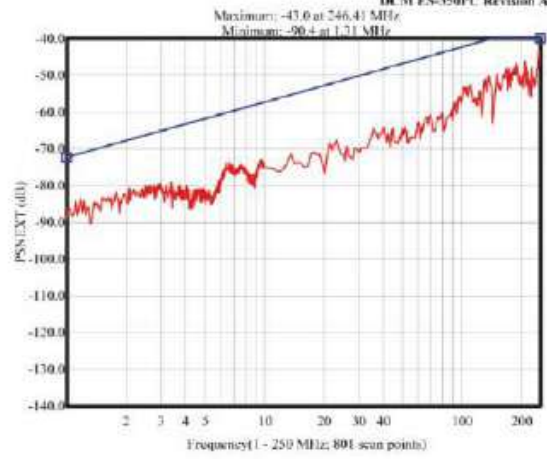
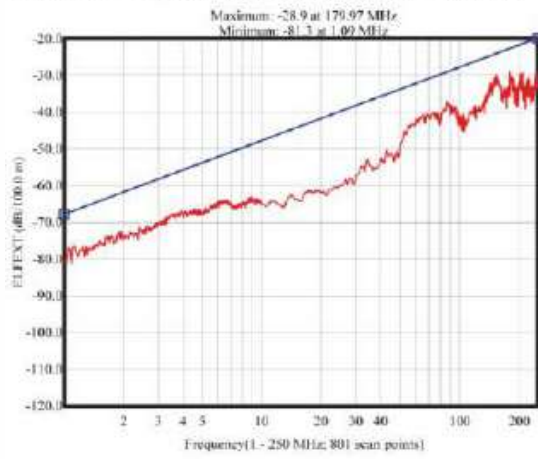
\* = Measured value out of spec.  
xxx = No entry.

\*\*\* = Measured value is invalid.



CAT 6 UTP PVC 4x2x23 x PE DA011949.PCD 03/03/2009 10:32:30 AM

Page 2



N/A = Not Applicable.  
-- = Disabled/Bypassed Pair.

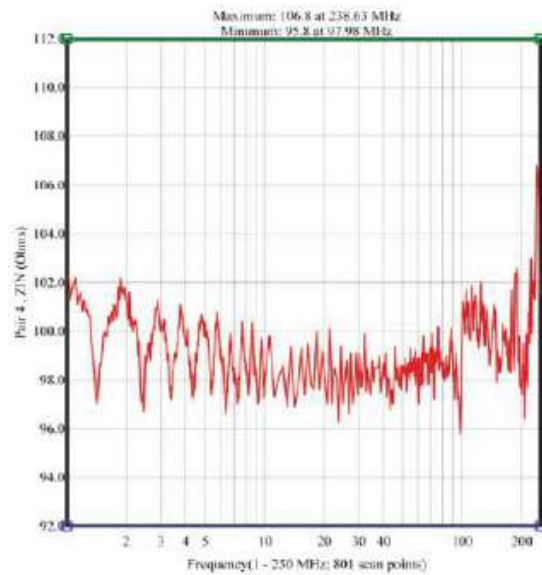
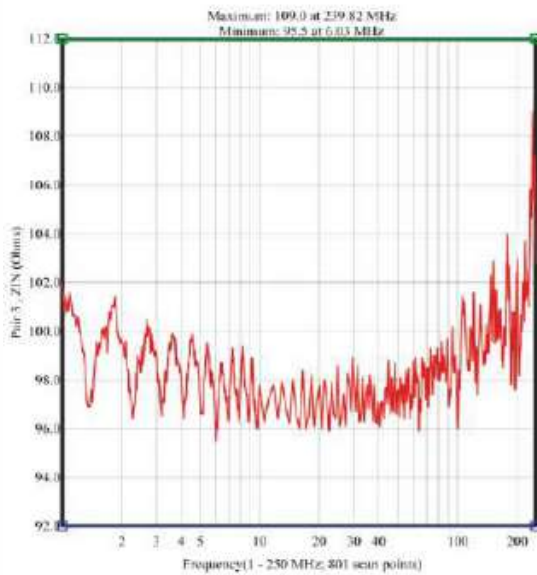
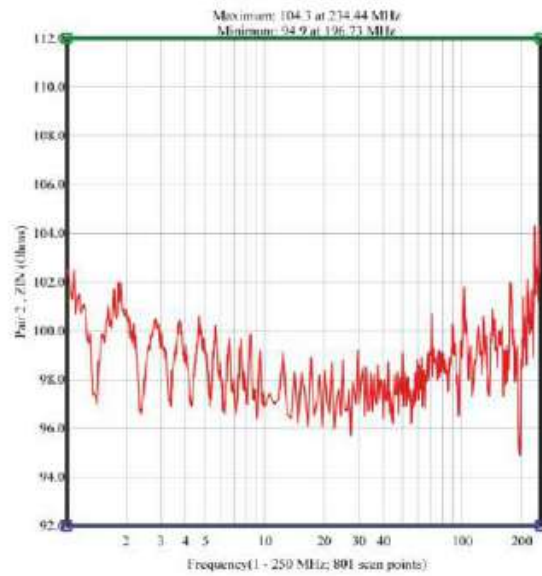
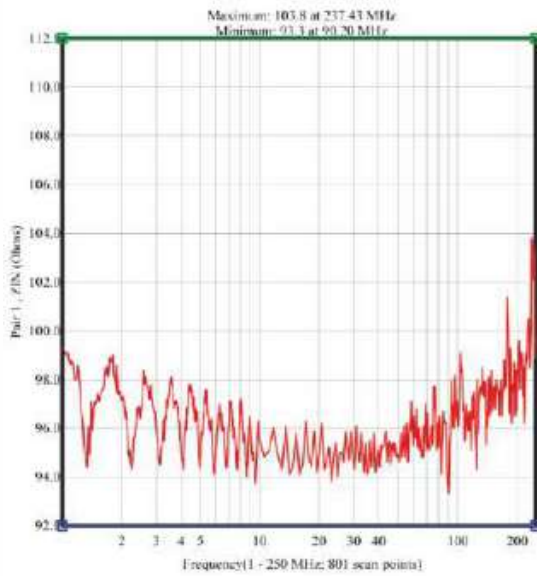
\* = Measured value out of spec.  
xxx = No entry.

\*\*\* = Measured value is invalid.



Summary and Graphic: Input Impedance (Zin)(Open/Short)

Pair	Specification:		Measured (Ohms)		Margin (Ohms)		@ Frequency (MHz)		Test Result
	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	Minimum	Maximum	
Pair 1	85.0	115.0	93.3	103.8	8.3	11.2	90.20	237.43	Passed
Pair 2	85.0	115.0	94.9	104.3	9.9	10.7	196.73	234.44	Passed
Pair 3	85.0	115.0	95.5	109.0	10.5	6.0	6.03	239.82	Passed
Pair 4	85.0	115.0	95.8	106.8	10.8	8.2	97.98	238.63	Passed



N/A = Not Applicable.  
-- = Disable/Bypassed Pair.

\* = Measured value out of spec.  
xxx = No entry.

\*\*\* = Measured value is invalid.

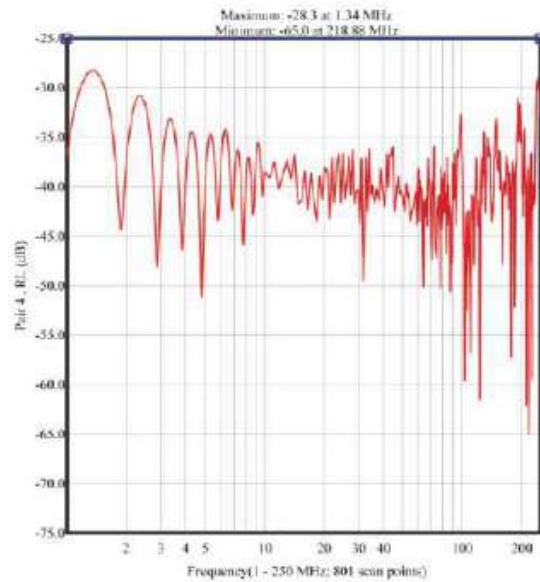
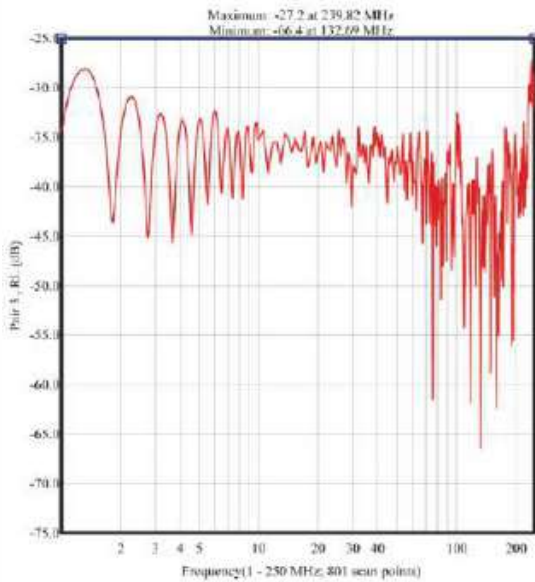
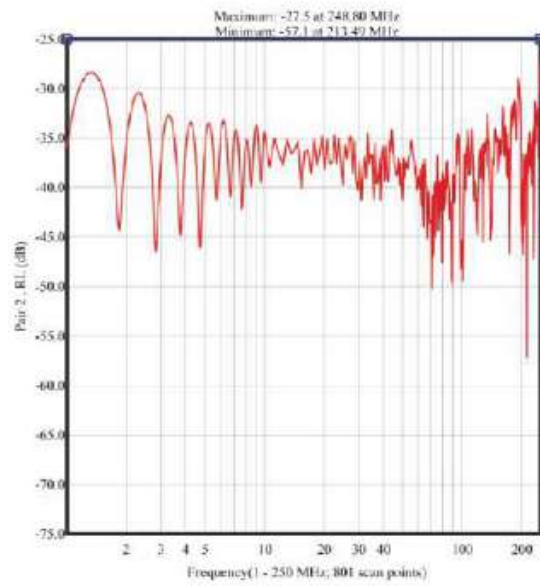
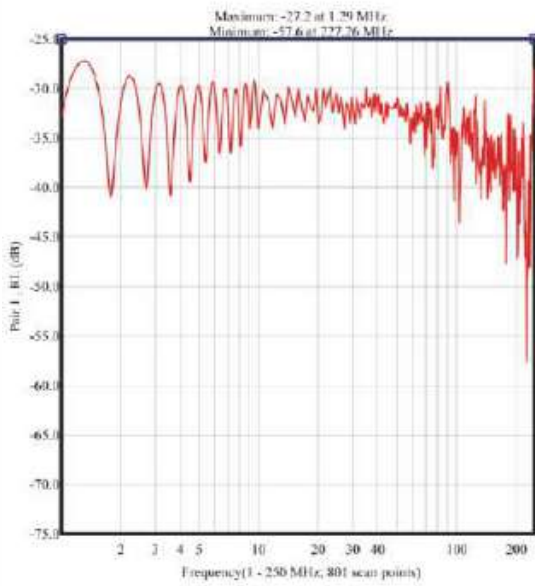




**Summary and Graphic: Return Loss (RL)**

(Cat 6): RL >= 20+5\*Log(f); 25; 25-7\*Log(f/20); (Refer to manual)

Pair	Spec (Min)(dB)	Measured (dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1	24.9	29.2	4.3	0.46	Passed
Pair 2	20.7	28.4	7.7	1.36	Passed
Pair 3	20.6	28.1	7.5	1.31	Passed
Pair 4	20.7	28.3	7.6	1.36	Passed



N/A = Not Applicable.  
-- = Disable/Bypassed Pair.

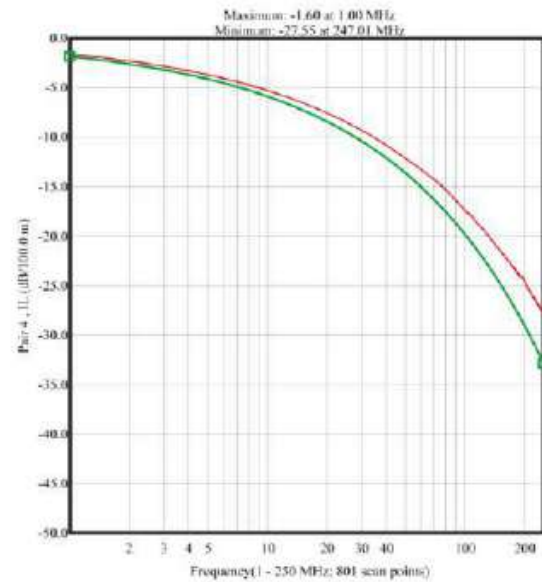
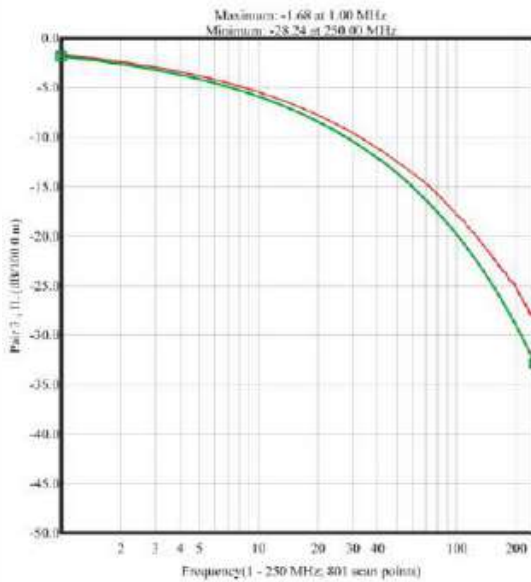
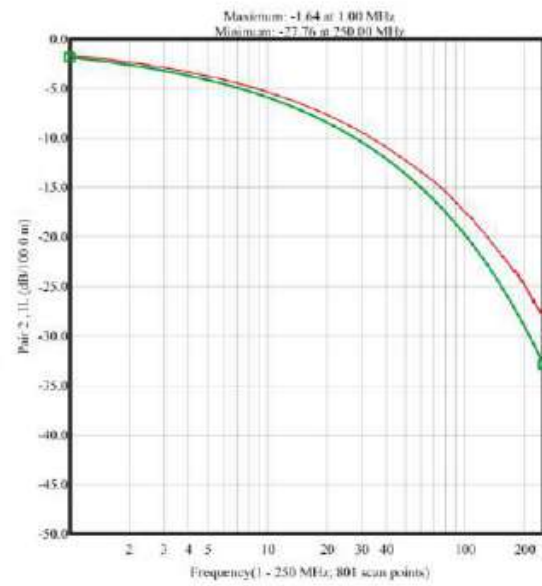
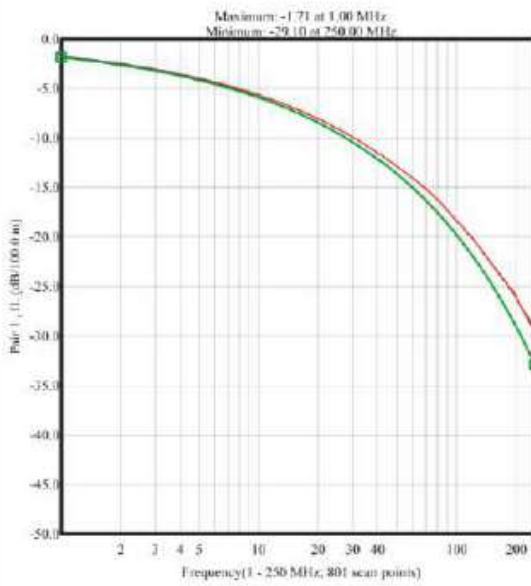
\* = Measured value out of spec.  
... = No entry.

\*\*\* = Measured value is invalid.



**Summary and Graphic: Insertion Loss (IL)(Curve Fit)@20C**  
 (Formula):  $IL <= [(1.868 * \sqrt{f}) + (0.017 * f) + (0.020 / \sqrt{f})] * 1.000 * \text{Stranded Factor}$  (Refer to manual)

Pair	Spec (Max)(dB/100.0 m)	Measured (dB/100.0 m)	Margin (dB/100.0 m)	@ Frequency (MHz)	Test Result
Pair 1	2.22	2.23	0.09	1.58	Passed
Pair 2	1.84	1.84	0.20	1.00	Passed
Pair 3	1.84	1.68	0.16	1.00	Passed
Pair 4	1.87	1.65	0.22	1.02	Passed



N/A = Not Applicable.  
 == = Disable/Bypassed Pair.

\* = Measured value out of spec.  
 .xxx = No entry.

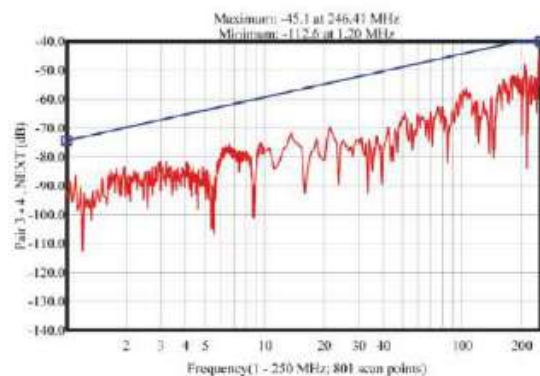
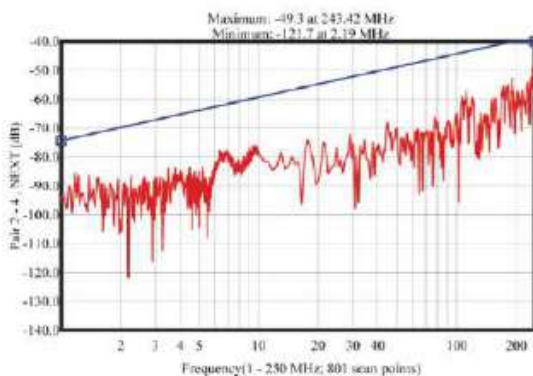
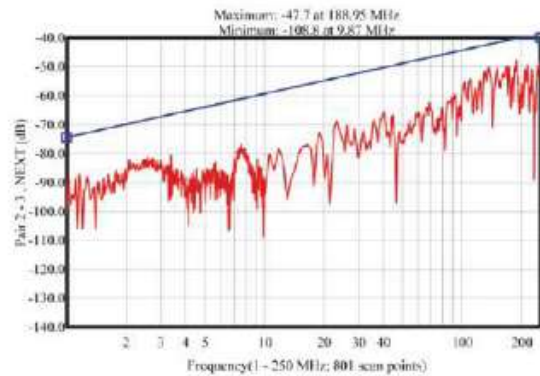
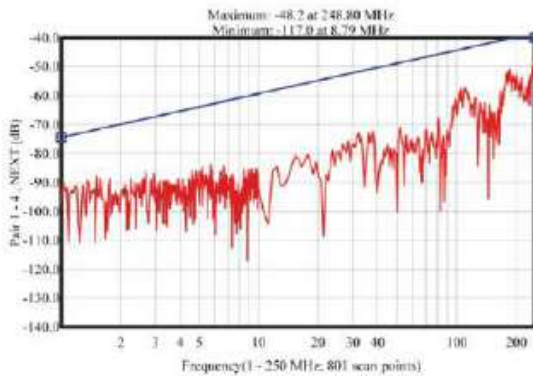
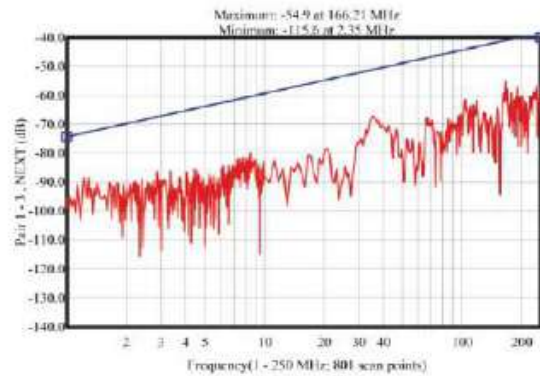
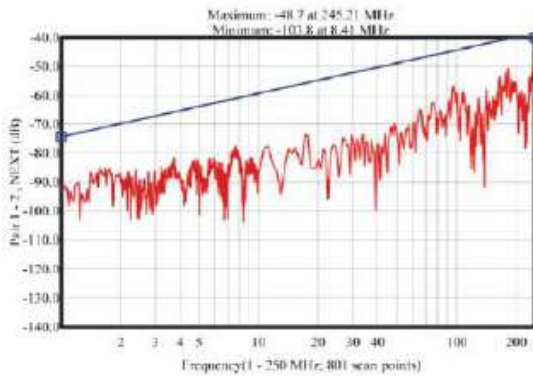
\*\*\* = Measured value is invalid.



**Summary and Graphic: Near End Crosstalk Loss (NEXT)**

(Cat 6: NEXT >=44.3 - 15 \* Log(F/100))

Pair	Spec (Min)(dB)	Measured (dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1 - 2	40.4	50.5	10.1	182.37	Passed
Pair 1 - 3	41.0	54.9	13.9	166.21	Passed
Pair 1 - 4	38.4	48.2	9.8	248.80	Passed
Pair 2 - 3	40.2	47.7	7.5	188.95	Passed
Pair 2 - 4	38.5	49.3	10.8	243.42	Passed
Pair 3 - 4	38.4	45.1	6.7	246.41	Passed



N/A = Not Applicable.  
-- = Disable/Bypassed Pair.

\* = Measured value out of spec.  
...xx = No entry.

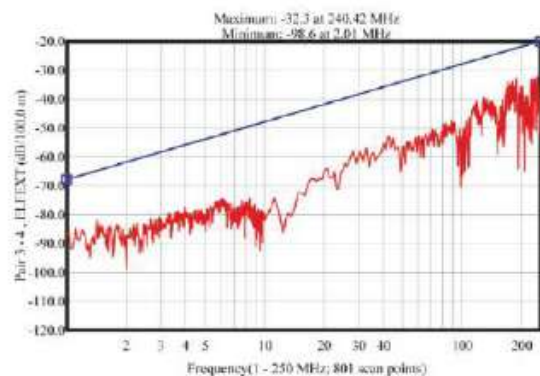
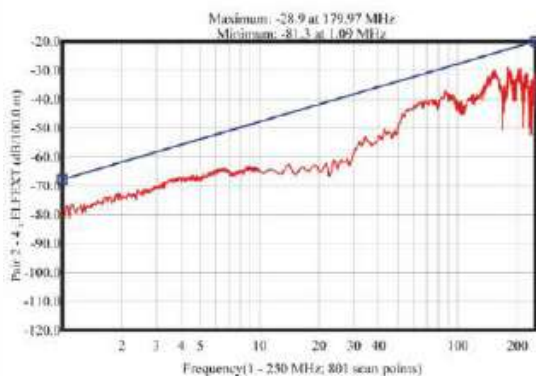
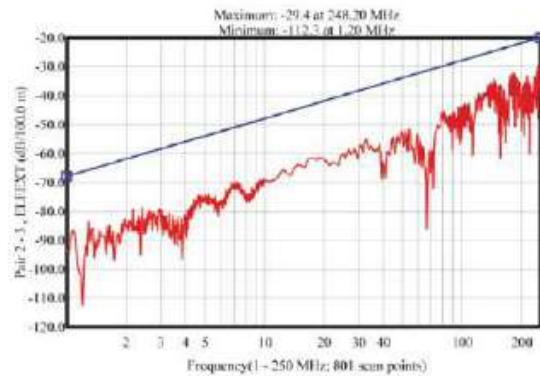
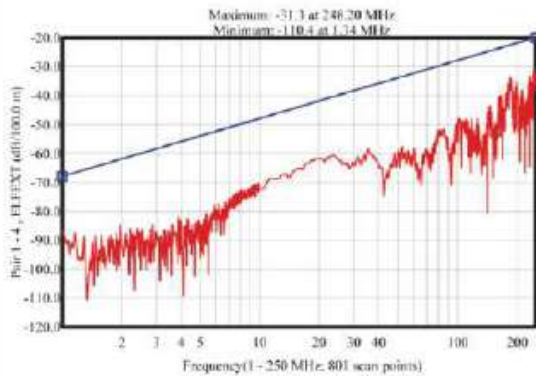
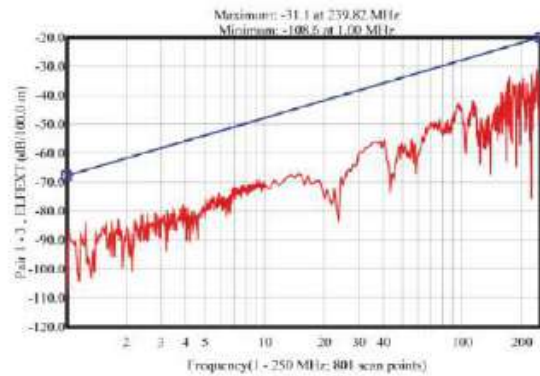
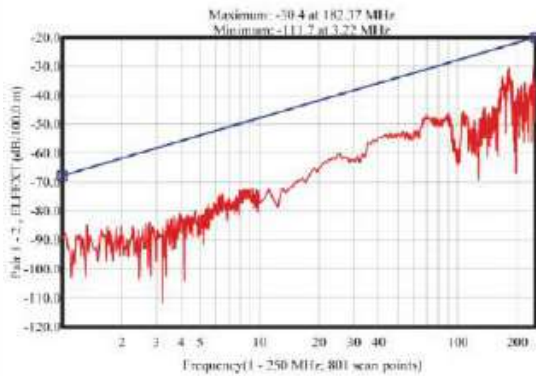
\*\*\* = Measured value is invalid.



**Summary and Graphic: Equal Level FEXT Loss (ELFEXT)**

(Cat 6): ELFEXT >= 27.8 - 20 \* Log(f/100) (Refer to manual)

Pair	Spec (Min)(dB/100.0 m)	Measured(dB/100.0 m)	Margin (dB/100.0 m)	@ Frequency (MHz)	Test Result
Pair 1 - 2	22.6	30.4	7.8	182.37	Passed
Pair 1 - 3	23.0	33.5	10.5	174.59	Passed
Pair 1 - 4	22.5	33.6	11.1	184.76	Passed
Pair 2 - 3	22.7	32.2	9.5	179.97	Passed
Pair 2 - 4	24.1	29.9	5.8	153.64	Passed
Pair 3 - 4	22.3	32.8	10.5	188.35	Passed



N/A = Not Applicable.  
-- = Disable/Bypassed Pair.

\* = Measured value out of spec.  
... = No entry.

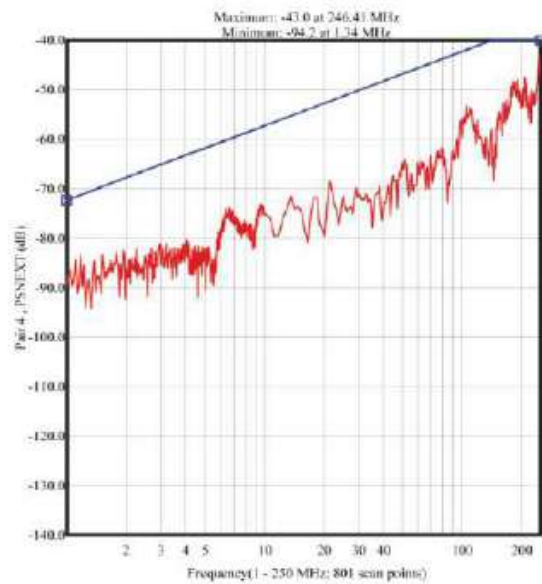
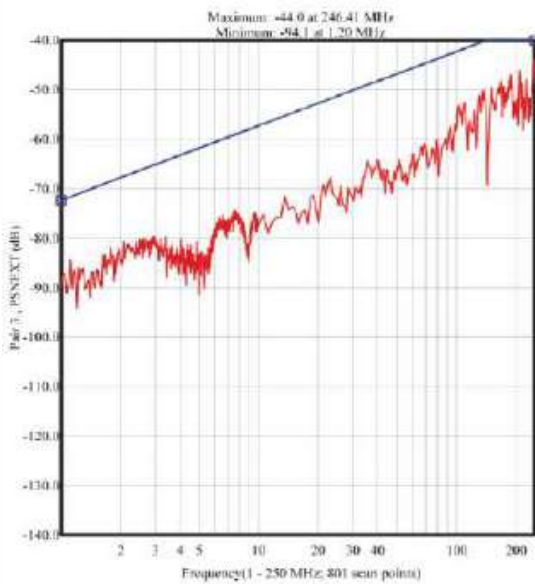
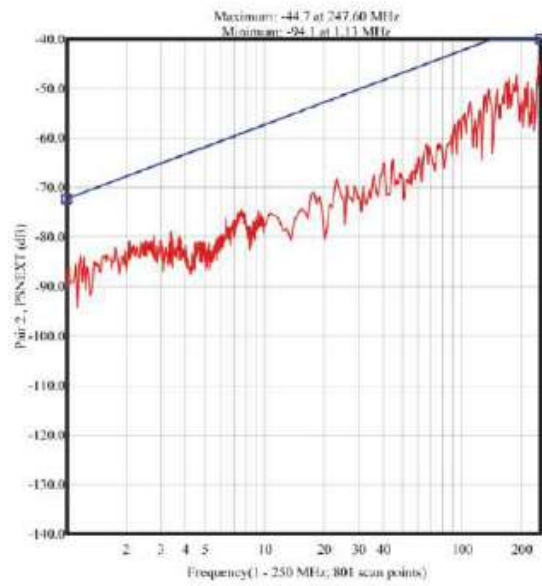
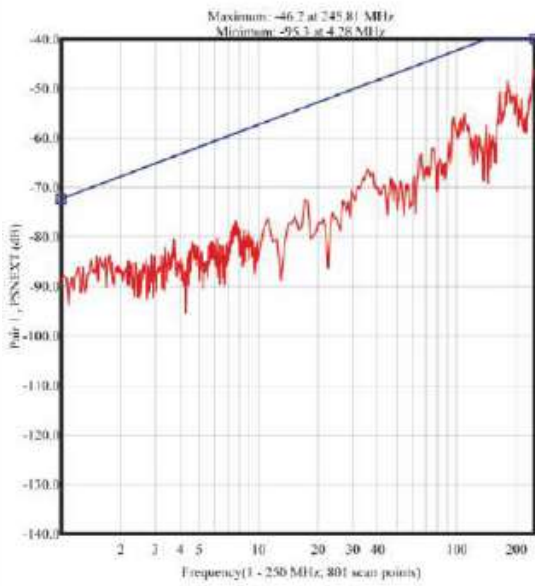
\*\*\* = Measured value is invalid.





**Summary and Graphic: Power Sum NEXT(PSNEXT)**  
(Cat 6:PSNEXT >=42.3 - 15 \* Log(f/100))

Pair	Spec (Min)(dB)	Measured (dB)	Margin (dB)	@ Frequency (MHz)	Test Result
Pair 1	36.4	46.2	9.8	245.81	Passed
Pair 2	36.4	44.7	8.3	247.60	Passed
Pair 3	36.4	44.0	7.6	246.41	Passed
Pair 4	36.4	43.0	6.6	246.41	Passed



N/A = Not Applicable.  
-- = Disabled/Bypassed Pair.

\* = Measured value out of spec.  
.xxx = No entry.

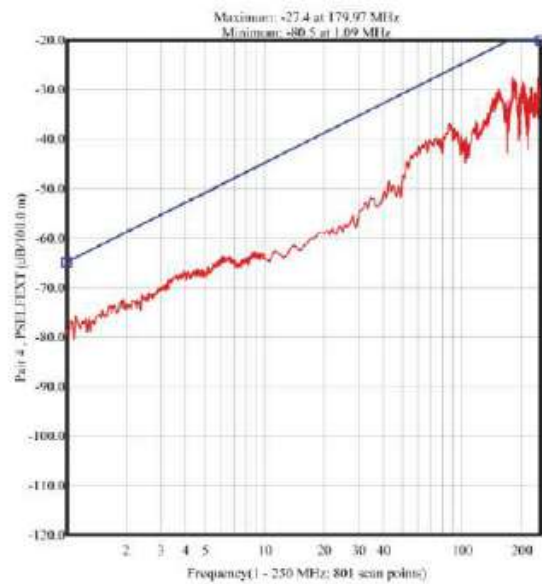
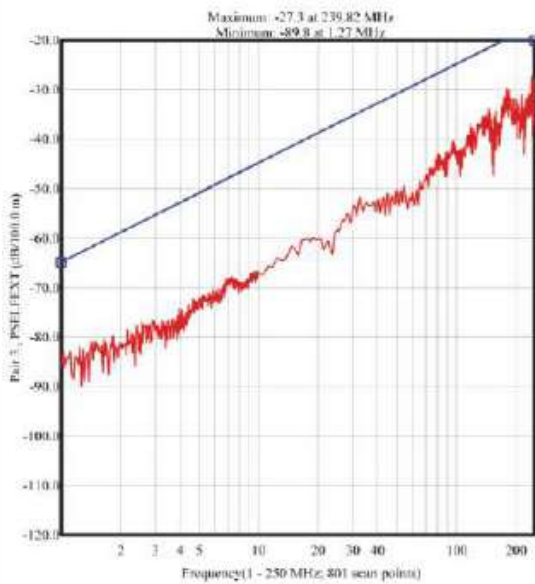
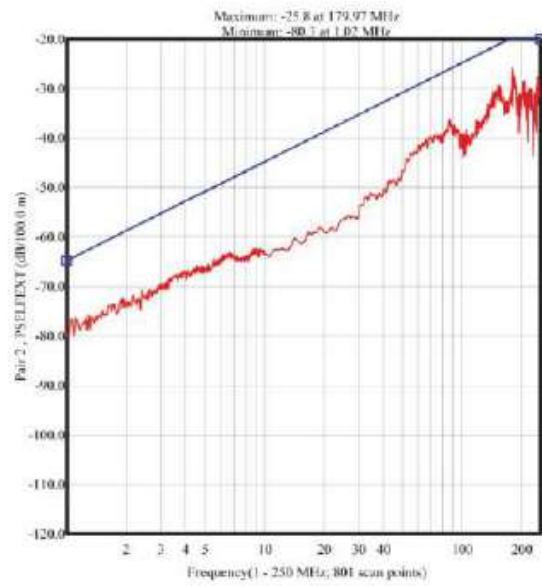
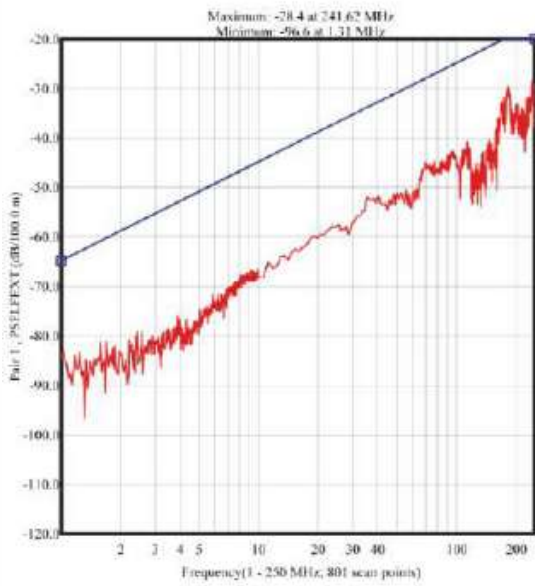
\*\*\* = Measured value is invalid.



**Summary and Graphic: Power Sum ELFEXT(PSELEXT)**

(Cut 6): PSELEXT >= 26.8 - 20 \* Log(f/100) (Refer to manual)

Pair	Spec (Min)(dB/100.0 m)	Measured(dB/100.0 m)	Margin (dB/100.0 m)	@ Frequency (MHz)	Test Result
Pair 1	19.6	29.5	9.9	182.97	Passed
Pair 2	19.7	25.8	6.1	179.97	Passed
Pair 3	19.7	29.8	10.1	179.97	Passed
Pair 4	19.7	27.4	7.7	179.97	Passed



N/A = Not Applicable.  
-- = Disable/Bypassed Pair.

\* = Measured value out of spec.  
... = No entry.

\*\*\* = Measured value is invalid.



**Detail Discrete Frequencies ---Input Impedance (Zin)(Ohms)(Open/Short)**

Frequency	1	4	8	10	16	20	25	31.25	62.5	100
Max Spec	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0	115.0
Min Spec	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0	85.0
Pair 1	99.3	95.1	97.0	95.6	94.1	94.9	94.1	93.6	95.7	96.8
Pair 2	102.5	99.3	97.7	96.9	97.5	97.7	98.7	98.3	98.5	98.9
Pair 3	102.0	98.2	97.5	97.8	96.1	97.6	98.4	97.7	98.1	96.4
Pair 4	102.2	99.7	98.8	97.9	97.5	98.4	97.1	98.1	98.8	99.5

**Continue:Input Impedance (Zin)(Ohms)(Open/Short)**

Frequency	155	200	250							
Max Spec	115.0	115.0	115.0							
Min Spec	85.0	85.0	85.0							
Pair 1	96.8	97.1	99.7							
Pair 2	99.9	98.8	102.3							
Pair 3	99.6	102.3	102.8							
Pair 4	98.7	97.7	101.5							

**Detail Discrete Frequencies ---Return Loss (RL)(dB)**

(Cat 6): RL >= 20+5\*Log(f); 25; 25-7\*Log(f/20); (Refer to manual)

Frequency	1	4	8	10	16	20	25	31.25	62.5	100
Min Spec	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1
Pair 1	33.0	29.8	34.0	34.1	30.0	32.5	30.7	32.2	32.5	35.9
Pair 2	35.9	36.5	35.8	34.4	36.4	37.2	39.5	39.7	41.8	45.3
Pair 3	34.5	34.1	35.1	35.3	36.3	36.6	37.8	38.7	41.6	34.4
Pair 4	36.8	40.1	40.2	38.5	38.5	39.0	37.0	43.4	40.3	35.9

**Continue:Return Loss (RL)(dB)**

Frequency	155	200	250							
Min Spec	18.8	18.0	17.3							
Pair 1	35.3	35.0	29.2							
Pair 2	36.0	43.2	28.1							
Pair 3	47.8	37.6	32.2							
Pair 4	36.9	34.5	32.9							

**Detail Discrete Frequencies ---Insertion Loss (IL)(dB/100.0 m)(Curve Fit)@20C**

(Formula): IL <= [ (1.808\*SQRT(f)) + (0.017\*f) + (0.020/SQRT(f)) ] \* 1.000 \* Stranded Factor (Refer to manual)

Frequency	1	4	8	10	16	20	25	31.25	62.5	100
Max Spec	1.84	3.69	5.26	5.89	7.51	8.43	9.47	10.64	15.36	19.78
Pair 1	1.71	3.53	5.03	5.61	7.19	8.06	9.03	10.10	14.32	18.35
Pair 2	1.64	3.35	4.76	5.34	6.82	7.65	8.58	9.61	13.67	17.40
Pair 3	1.68	3.41	4.85	5.42	6.93	7.78	8.71	9.77	13.89	17.77
Pair 4	1.60	3.28	4.73	5.28	6.75	7.57	8.50	9.54	13.56	17.33

**Continue:Insertion Loss (IL)(dB/100.0 m)(Curve Fit)@20C**

Frequency	155	200	250							
Max Spec	25.15	28.97	32.84							
Pair 1	23.61	26.03	29.10							
Pair 2	21.93	24.73	27.76							
Pair 3	22.32	25.17	28.24							
Pair 4	21.74	24.48	27.54							

**Detail Discrete Frequencies ---Near End Crosstalk Loss (NEXT)(dB)**

(Cat 6): NEXT >= 44.3 - 15 \* Log(f/100)

Frequency	1	4	8	10	16	20	25	31.25	62.5	100
Min Spec	74.3	65.7	60.8	59.3	56.2	54.8	53.3	51.9	47.4	44.3
Pair 1 - 2	92.9	88.1	82.9	81.1	81.9	83.2	80.0	78.7	73.8	59.9
Pair 1 - 3	95.4	98.0	87.0	88.3	91.3	80.6	88.7	76.4	82.3	68.8
Pair 1 - 4	97.2	93.2	94.8	91.7	81.9	86.5	79.5	76.0	79.0	65.5
Pair 2 - 3	100.8	90.3	80.1	94.4	77.3	84.8	76.1	73.8	74.9	61.2
Pair 2 - 4	94.9	85.8	83.0	78.4	82.0	88.3	77.3	88.6	73.7	65.5
Pair 3 - 4	91.8	85.3	78.4	77.9	92.5	81.0	74.1	76.2	66.5	61.9

N/A = Not Applicable.  
-- = Disable/Bypassed Pair.

\* = Measured value out of spec.  
xxx = No entry.

\*\*\* = Measured value is invalid.



**Continue:Near End Crosstalk Loss (NEXT)(dB)**

Frequency	155	200	250						
Min Spec	41.4	30.8	38.3						
Pair 1 - 2	63.3	56.7	51.3						
Pair 1 - 3	74.1	69.9	57.3						
Pair 1 - 4	69.5	56.6	49.6						
Pair 2 - 3	56.1	57.8	51.0						
Pair 2 - 4	66.0	64.1	52.9						
Pair 3 - 4	55.1	57.0	54.9						

**Detail Discrete Frequencies ---Equal Level FEXT Loss (ELFEXT)(dB/100.0 m)**

(Cat 6): ELFEXT >= 27.8 - 20 \* Log(F/100) (Refer to manual)

Frequency	1	4	8	10	16	20	25	31.25	62.5	100
Min Spec	67.8	55.8	49.7	47.8	43.7	41.8	39.8	37.9	31.9	27.8
Pair 1 - 2	89.3	82.6	75.9	77.3	69.6	65.4	60.3	61.4	52.4	61.6
Pair 1 - 3	108.6	81.5	73.0	71.2	70.9	74.7	71.0	59.7	56.3	45.3
Pair 1 - 4	86.4	84.6	75.4	72.4	65.1	61.9	62.0	61.6	63.6	53.4
Pair 2 - 3	93.0	81.7	74.4	69.3	64.7	62.0	60.1	58.4	62.6	51.6
Pair 2 - 4	80.0	67.5	64.6	64.9	64.2	64.6	64.2	56.5	42.2	42.7
Pair 3 - 4	86.8	79.2	77.0	81.8	73.0	65.5	64.0	69.5	53.5	54.9

**Continue:Equal Level FEXT Loss (ELFEXT)(dB/100.0 m)**

Frequency	155	200	250						
Min Spec	24.0	21.8	19.8						
Pair 1 - 2	45.2	41.9	35.6						
Pair 1 - 3	51.1	40.1	32.7						
Pair 1 - 4	51.0	36.6	35.7						
Pair 2 - 3	40.3	49.0	40.6						
Pair 2 - 4	31.6	32.7	33.7						
Pair 3 - 4	47.7	38.0	40.9						

**Detail Discrete Frequencies ---Power Sum NEXT(PSNEXT)(dB)**

(Cat 6): PS NEXT >= 42.3 - 15 \* Log(F/100)

Frequency	1	4	8	10	16	20	25	31.25	62.5	100
Min Spec	72.3	63.3	58.8	57.3	54.2	52.8	51.3	49.9	45.4	42.3
Pair 1	90.1	86.6	81.3	84.3	78.6	77.7	76.3	71.6	71.9	58.4
Pair 2	96.4	82.8	76.9	77.8	75.0	78.9	72.7	72.3	68.8	56.9
Pair 3	89.9	83.8	75.8	77.4	76.9	75.9	71.9	70.0	65.8	58.0
Pair 4	89.3	82.1	77.0	75.0	78.7	79.2	71.6	72.1	65.4	59.1

**Continue:Power Sum NEXT(PSNEXT)(dB)**

Frequency	155	200	250						
Min Spec	39.4	37.8	36.3						
Pair 1	61.6	53.4	47.0						
Pair 2	54.9	53.7	46.9						
Pair 3	52.5	53.9	48.8						
Pair 4	54.6	53.1	47.2						

**Detail Discrete Frequencies ---Power Sum ELFEXT(PSELFEXT)(dB/100.0 m)**

(Cat 6): PSELFEXT >= 24.8 - 20 \* Log(F/100) (Refer to manual)

Frequency	1	4	8	10	16	20	25	31.25	62.5	100
Min Spec	64.8	52.8	46.7	44.8	40.7	38.8	36.8	34.9	28.9	24.8
Pair 1	84.6	77.7	70.0	68.2	63.0	60.1	57.9	56.0	50.7	44.5
Pair 2	79.3	67.2	64.0	63.4	60.9	58.9	56.4	53.6	41.8	41.8
Pair 3	83.8	75.9	69.7	67.0	63.3	60.2	58.2	54.6	51.2	43.4
Pair 4	78.4	67.1	64.0	64.1	61.3	58.8	58.6	54.1	41.8	42.1

**Continue:Power Sum ELFEXT(PSELFEXT)(dB/100.0 m)**

Frequency	155	200	250						
Min Spec	21.0	18.8	16.8						
Pair 1	42.9	34.1	29.7						
Pair 2	30.8	32.0	31.0						
Pair 3	39.2	35.7	31.5						
Pair 4	31.4	30.4	31.1						

N/A = Not Applicable.  
-- = Disable/Bypassed Pair.

\* = Measured value out of spec.  
xxx = No entry.

\*\*\* = Measured value is invalid.





**Cable ID: ND-611041**

**Test Summary: PASS**

Date / Time: 03/02/2009 02:04:40pm  
 Headroom: 2.5 dB (NEXT 36-78)  
 Test Limit: TIA Cat 6 Perm. Link  
 Cable Type: UTP 100 Ohm Cat 6  
 Fault Anomaly Threshold: 15%

Operator: WANG TINGTING  
 Software Version: 1.913  
 Limits Version: 5.13C  
 NVP: 69.0%  
 Shield Test: N/A

Model: DSP-4300  
 Main S/N: 8614021  
 Remote S/N: 8614021  
 Main Adapter: PM-006  
 Remote Adapter: PM-006

Wire Map  
**PASS**  
 1 2 3 4 5 6 7 8 S  
 | | | | | | | |  
 1 2 3 4 5 6 7 8



Length (ft), Limit 295 [Pair 78] 286  
 Prop. Delay (ns), Limit 498 [Pair 45] 445  
 Delay Skew (ns), Limit 44 [Pair 45] 23  
 Resistance (ohms) N/A

Attenuation (dB) [Pair 36] 2.2  
 Frequency (MHz) [Pair 36] 248.5  
 Limit (dB) [Pair 36] 31.0

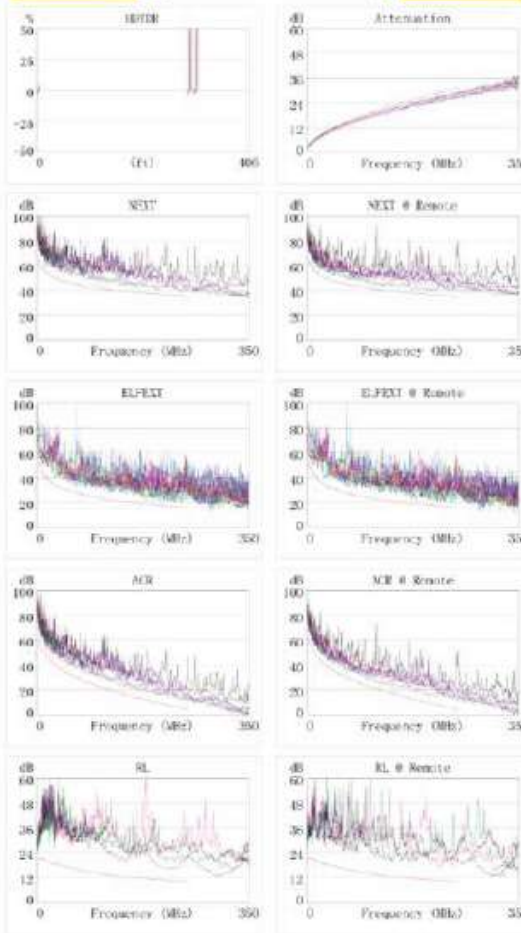
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-78	36-78	36-78	36-78
<b>NEXT (dB)</b>	2.8	2.5	2.8	3.6
Freq. (MHz)	241.0	210.5	241.0	250.0
Limit (dB)	35.6	36.6	35.6	35.3
Worst Pair	36	78	36	36
<b>PSNEXT (dB)</b>	3.5	4.1	3.5	4.7
Freq. (MHz)	244.5	210.5	244.5	240.5
Limit (dB)	32.9	34.0	32.9	33.0

	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-45	45-36	36-45	45-36
<b>ELFEXT (dB)</b>	2.4	2.7	3.2	2.7
Freq. (MHz)	160.5	227.5	241.0	227.5
Limit (dB)	19.1	17.0	16.5	17.0
Worst Pair	36	36	36	36
<b>PSELFEXT (dB)</b>	4.8	4.2	5.1	4.2
Freq. (MHz)	215.0	216.0	228.0	216.0
Limit (dB)	14.5	14.5	14.0	14.5

	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	12-45	36-78	36-78	36-78
<b>ACR (dB)</b>	5.0	4.8	7.0	6.7
Freq. (MHz)	16.1	122.0	250.0	250.0
Limit (dB)	47.6	19.8	4.2	4.2
Worst Pair	36	36	36	36
<b>PSACR (dB)</b>	6.0	5.1	6.0	7.3
Freq. (MHz)	241.0	18.2	241.0	248.5
Limit (dB)	2.6	43.9	2.6	1.8

	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	45	45	45	45
<b>RL (dB)</b>	5.1	6.2	5.1	6.2
Freq. (MHz)	225.0	221.5	225.0	221.5
Limit (dB)	10.5	10.6	10.5	10.6

Compliant Network Standards  
 10BASE-T 100BASE-TX 100BASE-T4  
 100BASE-T ATM-25 ATM-51  
 ATM-155 100VG-AnyLan TR-4  
 TR-16 Active TR-16 Passive



Site: NORDEN

CAT 6 UTP PVC.flw





**Cable ID: NORDEN COMMUNICATTONS**

**Test Summary: PASS**

Date / Time: 09/11/2009 11:02:22am  
 Headroom: 8.4 dB (NEXT 12-78)  
 Test Limit: TIA Cat 5e Perm. Link  
 Cable Type: UTP 100 Ohm Cat 5e  
 Fault Anomaly Threshold: 15%

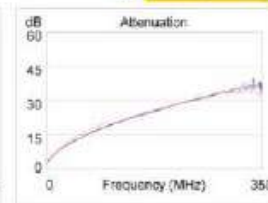
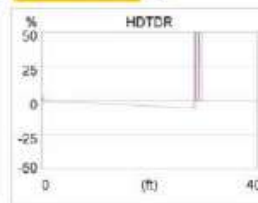
Software Version: 1.913  
 Limits Version: 5.13C  
 NVP: 69.0%  
 Shield Test: N/A

Model: DSP-4300  
 Main S/N: 8614021  
 Remote S/N: 8614021  
 Main Adapter: PM-006  
 Remote Adapter: PM-006

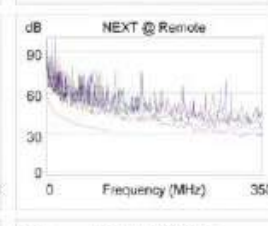
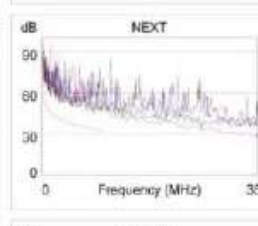
Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8



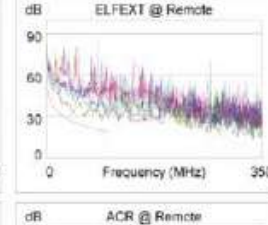
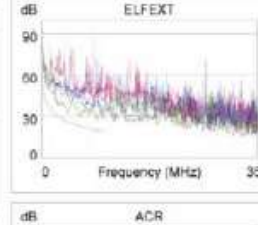
Length (ft), Limit 295	[Pair 78]	282
Prop. Delay (ns), Limit 498	[Pair 45]	435
Delay Skew (ns), Limit 44	[Pair 45]	19
Resistance (ohms)		N/A
Attenuation (dB)	[Pair 78]	1.7
Frequency (MHz)	[Pair 78]	100.0
Limit (dB)	[Pair 78]	21.0



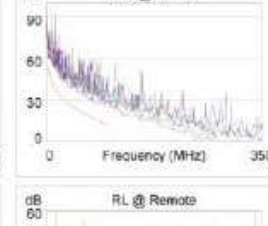
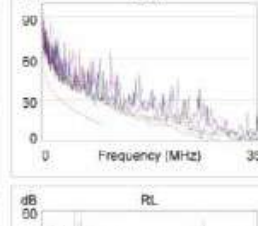
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	45-78
NEXT (dB)	9.3	8.4	9.3	11.1
Freq. (MHz)	86.0	3.8	86.0	100.0
Limit (dB)	33.4	55.2	33.4	32.3
Worst Pair	78	78	78	45
PSNEXT (dB)	10.7	10.4	11.1	12.0
Freq. (MHz)	27.1	41.0	86.4	100.0
Limit (dB)	38.6	35.6	30.4	29.3



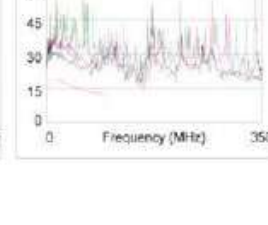
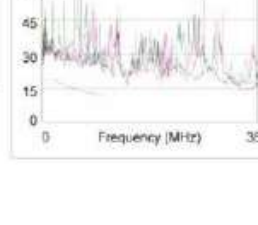
	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	78-12	12-78	12-78
ELFEXT (dB)	6.5	6.5	7.2	7.4
Freq. (MHz)	44.4	43.0	89.2	89.2
Limit (dB)	25.7	26.0	19.6	19.6
Worst Pair	12	12	78	12
PSELFEXT (dB)	9.3	9.3	10.1	10.1
Freq. (MHz)	43.2	44.4	89.2	89.4
Limit (dB)	22.9	22.7	16.6	16.6



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	12-78	12-78	12-78	45-78
ACR (dB)	9.6	8.6	10.9	12.8
Freq. (MHz)	3.8	3.8	86.0	100.0
Limit (dB)	51.4	51.4	14.0	11.3
Worst Pair	78	78	78	45
PSACR (dB)	11.2	10.9	12.7	13.8
Freq. (MHz)	3.6	3.6	86.4	100.0
Limit (dB)	48.9	48.9	10.9	8.3



	Worst Case Margin		Worst Case Value	
PASS	MAIN	SR	MAIN	SR
Worst Pair	45	36	12	36
RL (dB)	6.5	5.0	9.8	7.4
Freq. (MHz)	2.7	2.7	100.0	73.0
Limit (dB)	18.0	19.0	12.0	13.4



Site: KJC5EUUD25

CAT 5E UTP Keystone jack.flw





**Cable ID: NORDEN COMMUNICATIONS**

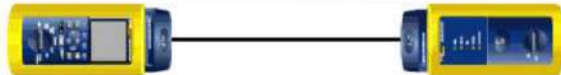
**Test Summary: PASS**

Date / Time: 09/11/2009 10:35:38am  
**Headroom: 8.2 dB (NEXT 36-78)**  
 Test Limit: TIA Cat 5e Perm. Link  
 Cable Type: UTP 100 Ohm Cat 5e  
 Fault Anomaly Threshold: 15%

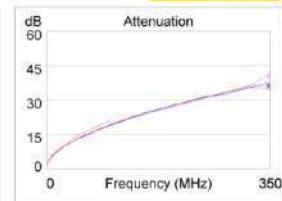
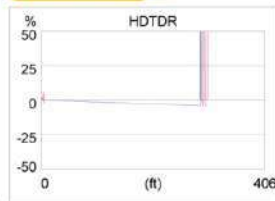
Software Version: 1.913  
 Limits Version: 5.13C  
 NVP: 69.0%  
 Shield Test: N/A

Model: DSP-4300  
 Main S/N: 8614021  
 Remote S/N: 8614021  
 Main Adapter: PM-006  
 Remote Adapter: PM-006

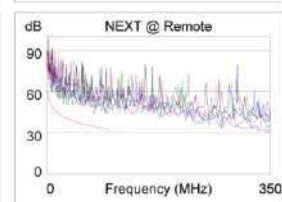
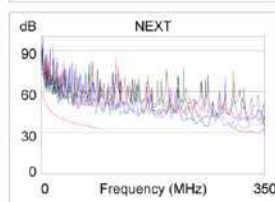
Wire Map	1 2 3 4 5 6 7 8 S
<b>PASS</b>	
	1 2 3 4 5 6 7 8
Length (ft), Limit 295	[Pair 78] 283
Prop. Delay (ns), Limit 498	[Pair 45] 436
Delay Skew (ns), Limit 44	[Pair 45] 19
Resistance (ohms)	N/A
Attenuation (dB)	[Pair 45] 1.7
Frequency (MHz)	[Pair 45] 100.0
Limit (dB)	[Pair 45] 21.0



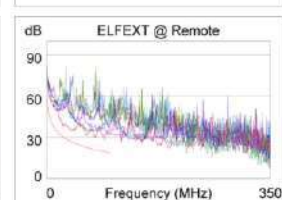
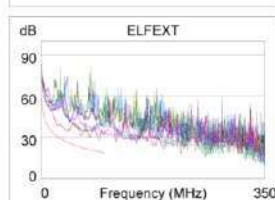
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-78	36-78	36-78	36-78
<b>NEXT (dB)</b>	8.2	9.0	9.4	9.0
Freq. (MHz)	5.0	74.6	86.0	74.6
Limit (dB)	53.3	34.4	33.4	34.4
Worst Pair	36	36	36	36
<b>PSNEXT (dB)</b>	9.9	10.4	11.4	12.0
Freq. (MHz)	4.7	6.8	86.2	91.6
Limit (dB)	50.7	48.2	30.4	30.0



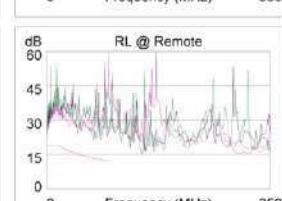
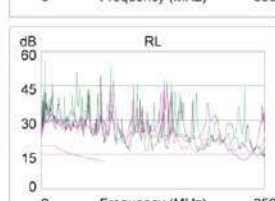
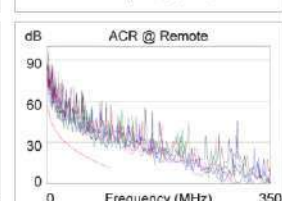
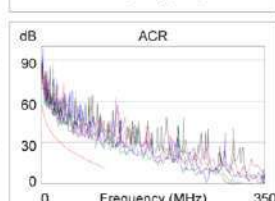
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-78	78-36	36-78	36-78
<b>ELFEXT (dB)</b>	7.6	7.7	8.2	8.4
Freq. (MHz)	38.2	25.9	91.0	90.8
Limit (dB)	27.0	30.4	19.4	19.4
Worst Pair	36	36	78	36
<b>PSELFEXT (dB)</b>	10.2	10.0	11.2	10.9
Freq. (MHz)	62.0	63.2	91.0	90.8
Limit (dB)	19.7	19.6	16.4	16.4



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36-78	36-78	36-78	36-45
<b>ACR (dB)</b>	8.5	9.4	12.8	13.0
Freq. (MHz)	5.0	8.5	98.0	94.2
Limit (dB)	48.9	43.9	11.7	12.4
Worst Pair	36	36	36	36
<b>PSACR (dB)</b>	10.1	10.8	14.6	13.9
Freq. (MHz)	4.6	6.8	98.0	91.6
Limit (dB)	46.7	43.1	8.7	9.9



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	45	12	36	36
<b>RL (dB)</b>	5.6	6.2	7.8	7.7
Freq. (MHz)	2.7	2.7	100.0	74.0
Limit (dB)	19.0	19.0	12.0	13.3



Compliant Network Standards:  
 10BASE-T                      100BASE-TX                      100BASE-T4  
 100BASE-T                    ATM-25                              ATM-51  
 ATM-155                        100VG-AnyLan                    TR-4  
 TR-16 Active                    TR-16 Passive

Site: PP5EUD3024P

CAT 5E UTP Patch panel.flw







**Cable ID: NORDEN COMMUNICATIONS**

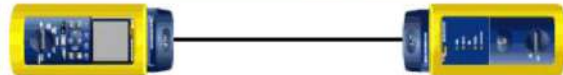
**Test Summary: PASS**

Date / Time: 09/11/2009 11:12:59am  
 Headroom: 10.2 dB (NEXT 12-78)  
 Test Limit: TIA Cat 5e Channel  
 Cable Type: UTP 100 Ohm Cat 5e  
 Fault Anomaly Threshold: 15%

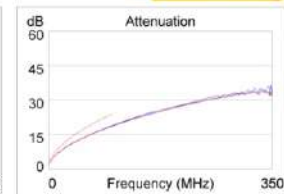
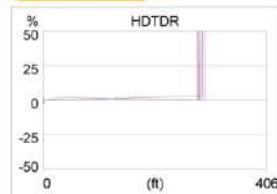
Software Version: 1.913  
 Limits Version: 5.13C  
 NVP: 69.0%  
 Shield Test: N/A

Model: DSP-4300  
 Main S/N: 8614021  
 Remote S/N: 8614021  
 Main Adapter: LIA 013  
 Remote Adapter: LIA 012

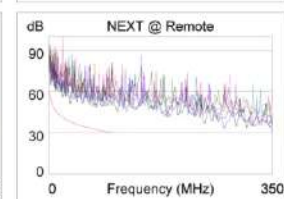
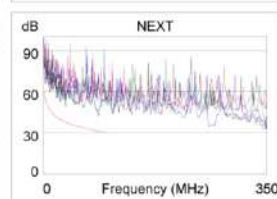
Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8



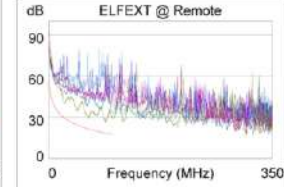
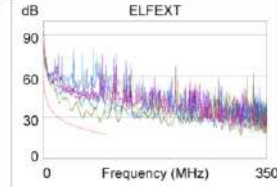
Length (ft), Limit 328	[Pair 78]	281
Prop. Delay (ns), Limit 555	[Pair 45]	433
Delay Skew (ns), Limit 50	[Pair 45]	19
Resistance (ohms)		N/A
Attenuation (dB)	[Pair 78]	4.9
Frequency (MHz)	[Pair 78]	100.0
Limit (dB)	[Pair 78]	24.0



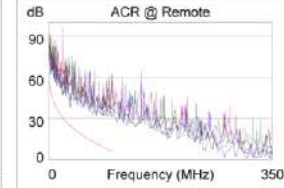
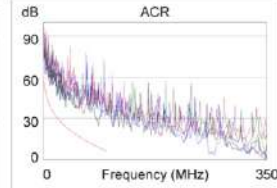
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	12-78	12-78	12-78	12-78
<b>NEXT (dB)</b>	11.2	10.2	11.2	15.9
Freq. (MHz)	86.2	3.7	86.2	75.2
Limit (dB)	31.2	54.1	31.2	32.3
Worst Pair	78	12	12	12
<b>PSNEXT (dB)</b>	13.2	12.3	13.9	16.2
Freq. (MHz)	35.0	3.7	86.2	75.4
Limit (dB)	34.9	51.1	28.2	29.2



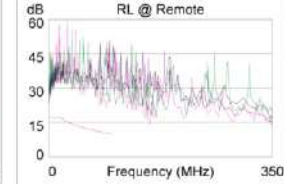
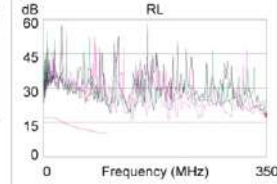
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	12-78	12-78	12-78	12-78
<b>ELFEXT (dB)</b>	7.7	7.9	8.1	8.2
Freq. (MHz)	63.0	63.0	89.6	89.4
Limit (dB)	21.4	21.4	18.3	18.3
Worst Pair	78	12	78	12
<b>PSELFEXT (dB)</b>	10.6	10.7	11.1	11.2
Freq. (MHz)	63.0	62.4	89.6	89.4
Limit (dB)	18.4	18.5	15.3	15.3



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	12-78	12-78	12-78	36-78
<b>ACR (dB)</b>	12.0	11.0	15.9	24.5
Freq. (MHz)	3.6	3.7	86.4	99.0
Limit (dB)	50.1	49.9	9.0	6.2
Worst Pair	12	12	12	78
<b>PSACR (dB)</b>	14.4	13.1	18.7	24.6
Freq. (MHz)	4.2	3.7	86.2	99.0
Limit (dB)	45.6	46.9	6.0	3.2



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
<b>PASS</b>				
Worst Pair	36	36	12	12
<b>RL (dB)</b>	9.2	9.4	11.8	10.9
Freq. (MHz)	2.9	2.9	100.0	90.6
Limit (dB)	17.0	17.0	10.0	10.4



Compliant Network Standards:  
 10BASE-T                      100BASE-TX                      100BASE-T4  
 1000BASE-T                    ATM-25                              ATM-51  
 ATM-155                        100VG-AnyLan                    TR-4  
 TR-16 Active                    TR-16 Passive

Site: RJ45

CAT 5E UTP RJ45.flw







**Cable ID: NORDEN COMMUNICATIONS**

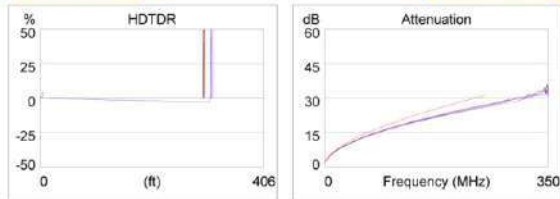
**Test Summary: PASS**

Date / Time: 09/11/2009 09:58:05am  
 Headroom: 4.0 dB (NEXT 36-45)  
 Test Limit: TIA Cat 6 Perm. Link  
 Cable Type: UTP 100 Ohm Cat 6  
 Fault Anomaly Threshold: 15%

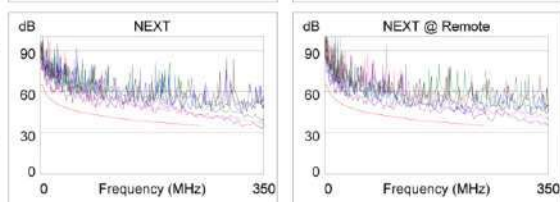
Software Version: 1.913  
 Limits Version: 5.13C  
 NVP: 69.0%  
 Shield Test: N/A

Model: DSP-4300  
 Main S/N: 8614021  
 Remote S/N: 8614021  
 Main Adapter: PM-006  
 Remote Adapter: PM-006

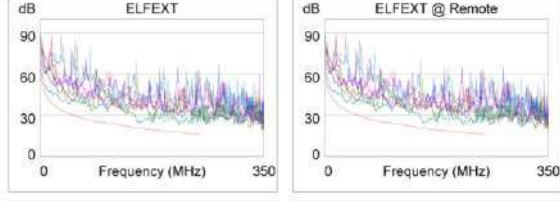
Wire Map	1 2 3 4 5 6 7 8 S
PASS	
	1 2 3 4 5 6 7 8
Length (ft), Limit 295	[Pair 78] 290
Prop. Delay (ns), Limit 498	[Pair 45] 451
Delay Skew (ns), Limit 44	[Pair 45] 24
Resistance (ohms)	N/A
Attenuation (dB)	[Pair 45] 4.1
Frequency (MHz)	[Pair 45] 250.0
Limit (dB)	[Pair 45] 31.1



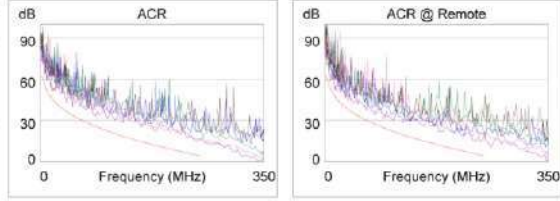
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	36-45	36-45	36-45
NEXT (dB)	4.7	4.0	5.4	4.3
Freq. (MHz)	18.8	16.4	242.0	234.0
Limit (dB)	53.5	54.4	35.5	35.7
Worst Pair	45	36	45	45
PSNEXT (dB)	5.4	5.7	5.4	5.8
Freq. (MHz)	241.5	16.3	241.5	233.5
Limit (dB)	33.0	52.1	33.0	33.2



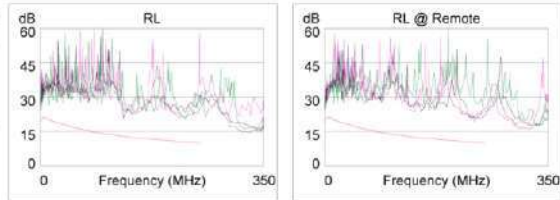
	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	36-45	36-45	36-45
ELFEXT (dB)	3.0	3.4	3.7	3.8
Freq. (MHz)	156.5	156.5	217.5	217.5
Limit (dB)	20.3	20.3	17.4	17.4
Worst Pair	45	36	45	36
PSELFEXT (dB)	6.0	5.9	6.7	6.3
Freq. (MHz)	156.5	156.5	217.5	217.5
Limit (dB)	17.3	17.3	14.4	14.4



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	36-45	36-45	36-45	36-45
ACR (dB)	5.1	4.3	9.4	8.0
Freq. (MHz)	18.8	16.4	242.0	234.0
Limit (dB)	45.9	47.4	5.0	5.9
Worst Pair	45	36	45	45
PSACR (dB)	7.3	6.3	9.4	9.5
Freq. (MHz)	18.8	16.3	241.5	233.5
Limit (dB)	43.5	45.0	2.5	3.4



	Worst Case Margin		Worst Case Value	
	MAIN	SR	MAIN	SR
PASS				
Worst Pair	78	78	45	12
RL (dB)	6.0	6.3	9.9	8.3
Freq. (MHz)	14.1	3.9	227.0	235.0
Limit (dB)	20.3	21.0	10.5	10.3



Compliant Network Standards:		
10BASE-T	100BASE-TX	100BASE-T4
1000BASE-T	ATM-25	ATM-51
ATM-155	100VG-AnyLan	TR-4
TR-16 Active	TR-16 Passive	

Site: KJC6UDBL

CAT 6 UTP Keystone jack.flw





# TEST REPORT

EMC DIRECTIVE  
2004/108/EC

REPORT NO. : STDGZ-121205-E





REPORT NO. : STDGZ-121205-E

DATE: Dec. 27, 2012

PAGE: 1 of 12

**TEST REPORT****TABLE OF CONTENTS**

<b>1 GENERAL INFORMATION</b>	<b>2</b>
1.1 DETAILS OF APPLICANT	2
1.2 DETAILS OF MANUFACTURER	2
1.3 DESCRIPTION OF THE TEST ITEM	2
1.4 TEST CONCLUSION	2
<b>2 TEST RESULTS SUMMARY</b>	<b>3</b>
<b>3 TEST METHOD AND DATA</b>	<b>5</b>
<b>3.1 RADIATED EMISSION</b>	<b>5</b>
3.1.1 TEST LIMITS	5
3.1.2 TEST METHOD	5
3.1.3 TEST DATA	6
<b>3.2 ELECTROSTATIC DISCHARGE</b>	<b>8</b>
3.2.1 TEST METHOD	8
3.2.2 TEST LIMITS	8
3.2.3 TEST DATA	10
<b>3.3 RADIATED IMMUNITY</b>	<b>10</b>
3.3.1 TEST METHOD	10
3.3.2 TEST DATA	11
<b>4 PHOTOS</b>	<b>12</b>





REPORT NO. : STDGZ-121205-E

DATE: Dec. 27, 2012

PAGE: 2 of 12

## TEST REPORT

### 1 GENERAL INFORMATION

#### 1.1 Details Of Applicant

**Name :** NORDEN COMMUNICATION UK LTD  
**Address :** 2nd FLOOR 145-157, EC1V 4PY ST.JOHN STREET, LONDON UNITED KINGDOM  
**Telephone :** +044 0 2077887663  
**Fax :** +044 0 2032921987  
**Contact :** John  
**Telephone :** +044 0 2077887663

#### 1.2 Details Of Manufacturer

**Name :** NORDEN COMMUNICATION UK LTD  
**Address :** 2nd FLOOR 145-157, EC1V 4PY ST.JOHN STREET, LONDON UNITED KINGDOM  
**Telephone :** +044 0 2077887663  
**Fax :** +044 0 2032921987  
**Contact :** John  
**Telephone :** +044 0 2077887663

#### 1.3 Description Of The Test Item

**Name of product:** Communication Cable  
**Model No:** CAT6A U/UTP CABLE  
**Brand Name:** NORDEN  
**Technical Parameter:** /

#### 1.4 TEST CONCLUSION

The submitted test sample complied with test standards as listed.

Tested by :

*Steven Liang*  
Steven

Date : Dec. 27, 2012



Reviewed by :

*John*  
John

Date : Dec. 27, 2012





REPORT NO. : STDGZ-121205-E

DATE: Dec. 27, 2012

PAGE: 3 of 12

## TEST REPORT

### 2 TEST RESULTS SUMMARY

Test Emission / Immunity		Test Result
Conducted Emission	EN 55022-1:2006+A1:2007	N/A
Radiated Emission	EN 55022-1:2006+A1:2007	P
Harmonics Current	EN 61000 - 3 - 2: 2006+A1:2009+A2:2009	N/A
Voltage Fluctuations	EN 61000 - 3 - 3: 2008	N/A
Electrostatic Discharge Immunity	(EN 61000 - 4 - 2: 2009)	P
Radiated Immunity	(EN 61000 - 4 - 3: 2006+A1:2008+A2:2010)	P
Electrical Fast Transient/Burst Immunity	(EN 61000 - 4 - 4: 2010)	N/A
Surge Immunity	(EN 61000 - 4 - 5: 2006)	N/A
RF continues conducted Immunity	(EN 61000 - 4 - 6: 2009)	N/A
Power Frequency Magnetic Field Immunity	(EN 61000 - 4 - 8: 2010)	N/A
Voltage dips and Interruptions Immunity	(EN 61000 - 4 - 11: 2004)	N/A







REPORT NO. : STDGZ-121205-E

DATE: Dec. 27, 2012

PAGE: 4 of 12

### TEST REPORT

GENERAL PERFORMANCE CRITERIA DESCRIPTION	
<b>Criteria A:</b>	The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacturer when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
<b>Criteria B:</b>	After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacturer, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. During the test, degradation of performance is allowed. However, no change of operating state or stored data is allowed to persist after the test. If the minimum performance level (or the permissible performance loss) is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.
<b>Criteria C:</b>	the controls by the user in accordance with the manufacturer's instructions. Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.





## TEST REPORT

### 3 TEST METHOD AND DATA

#### 3.1 Radiated Emission

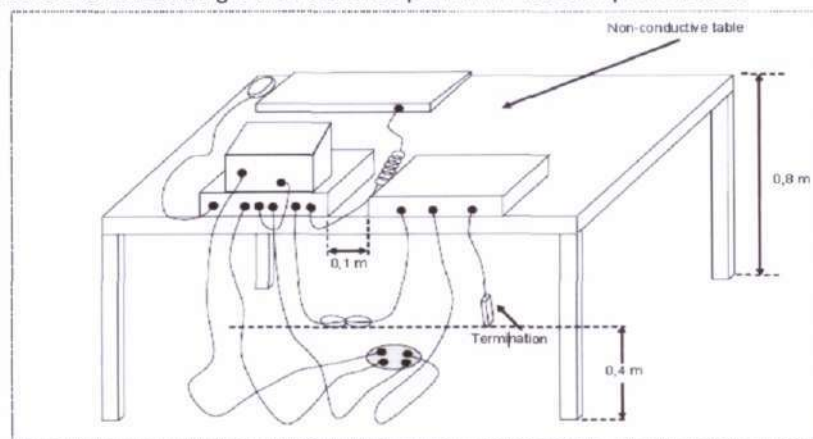
##### 3.1.1 Test limits

Limits for class A equipment	
FREQUENCY (MHz)	Quasi-peak(dB $\mu$ V/m)
30~230	40
230~1000	47

**NOTE:** The lower limit shall apply at the transition frequencies.

##### 3.1.2 Test method

The EUT shall be placed on a non-conductive table such that it is 0.8m above the horizontal ground reference plane. If the mains input cable of the external power supply unit is greater than 0.8m, the external power supply unit shall be placed on the tabletop, with a nominal 0.1m separation from the host unit. If more than two units are present, the test arrangement shall be chosen that maintains as close as practical the 0.1m spacing between units unless they are normally located closer together. Intra-unit cables shall be draped over the back of the table. If a cable hangs closer than 0.4m from the horizontal ground plane (or floor), the excess shall be folded at the cable centre into a bundle no longer than 0.4m, such that the bundle is at least 0.4m above the horizontal ground reference plane. The test setup see below:



Picture 1





REPORT NO. : STDGZ-121205-E

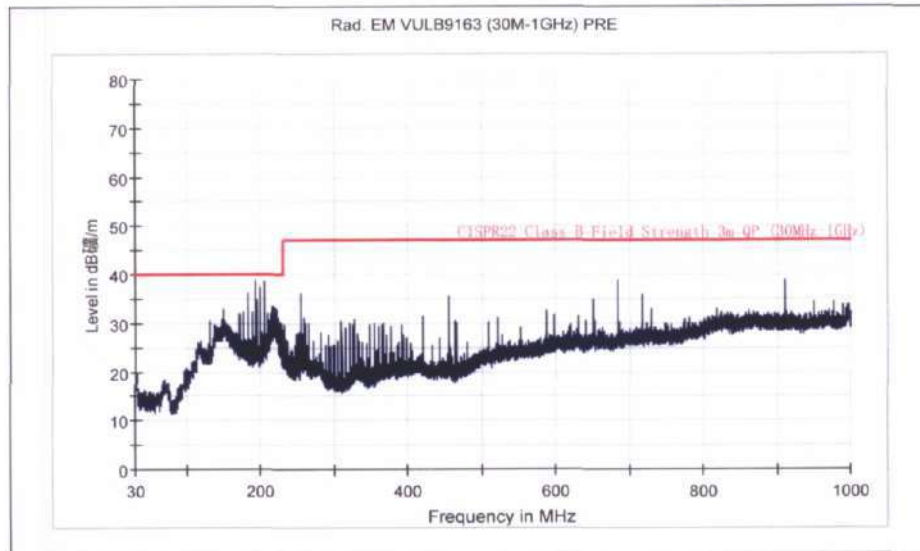
DATE: Dec. 27, 2012

PAGE: 6 of 12

### TEST REPORT

#### 3.1.3 Test data

Scan Graph: Horizontal





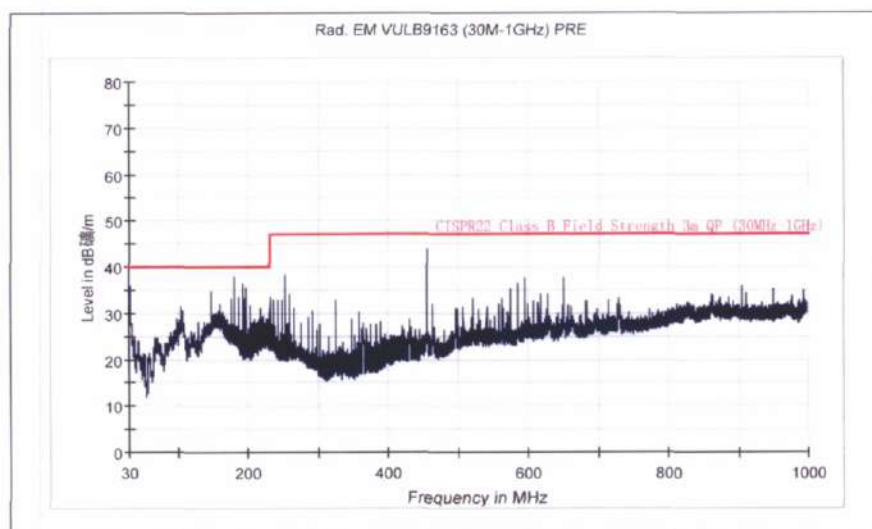
REPORT NO. : STDGZ-121205-E

DATE: Dec. 27, 2012

PAGE: 7 of 12

**TEST REPORT**

Scan Graph: Vertical



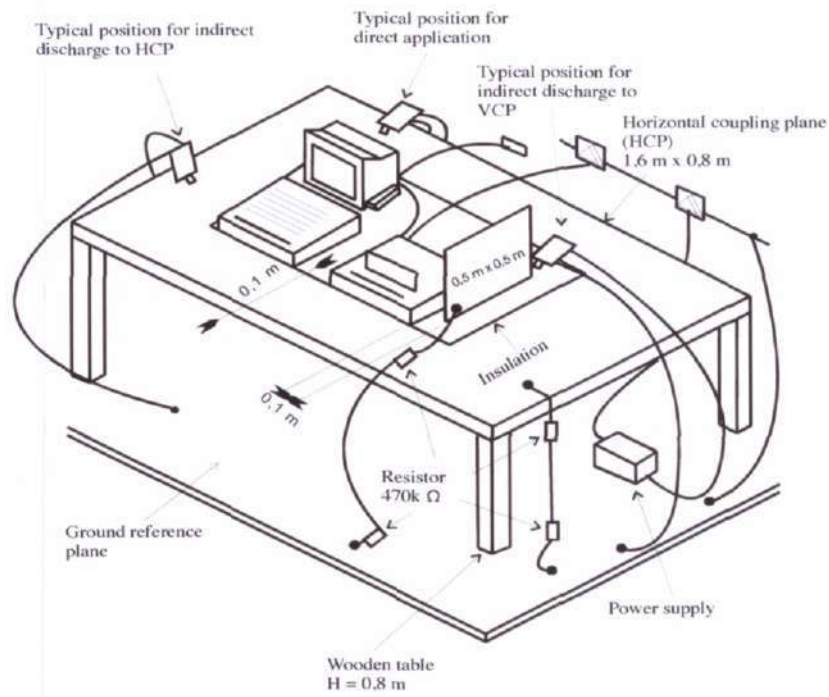


REPORT NO. : STDGZ-121205-E

DATE: Dec. 27, 2012

PAGE: 9 of 12

**TEST REPORT**  
**Electrostatic Discharge according to**  
**EN 61000 - 4 - 2**



Picture 2





## TEST REPORT

### 3.2.3 Test data

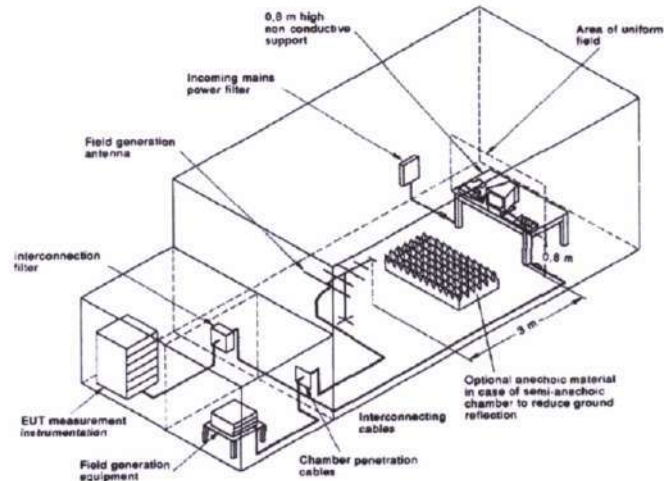
Test point	Test level (kV)	Air (A) Contact (C)	Required Criterion	Performance Criterion	Result
HCP	±4	C	B	A	Pass
VCP	±4	C	B	A	Pass
Hull clearance	±8	A	B	A	Pass

**Note:** 1. For indirect discharge: HCP=Horizontal Coupling Plane, VCP=Vertical Coupling Plane  
2. There was no change compared with initial operation during and after the test.

### 3.3 Radiated Immunity

#### 3.3.1 Test method

The EUT shall be placed on a non-conductive table such that it is 0.8m high, and should be performed in a configuration as close as possible to the installed case. The wiring was left exposed to the electromagnetic field for a distance of 1m from the EUT. The test setup see below:



Picture 3



## TEST REPORT

### 3.3.2 Test data

Test port	hull			Performance Criterion	<b>A</b>
Test level	3 V/m (r.m.s) (unmodulated)				
mode	Frequency range (MHz)	Antenna polar	modulate	location	result
ON	80-1000	horizontal	1KHz Sinusoidal 80%Am	front	PASS
				back	PASS
				left	PASS
				right	PASS
	80-1000	vertical	1KHz Sinusoidal 80%Am	front	PASS
				back	PASS
				left	PASS
				right	PASS

**Note:** There was no change compared with initial operation during and after the test.



REPORT NO. : STDGZ-121205-E

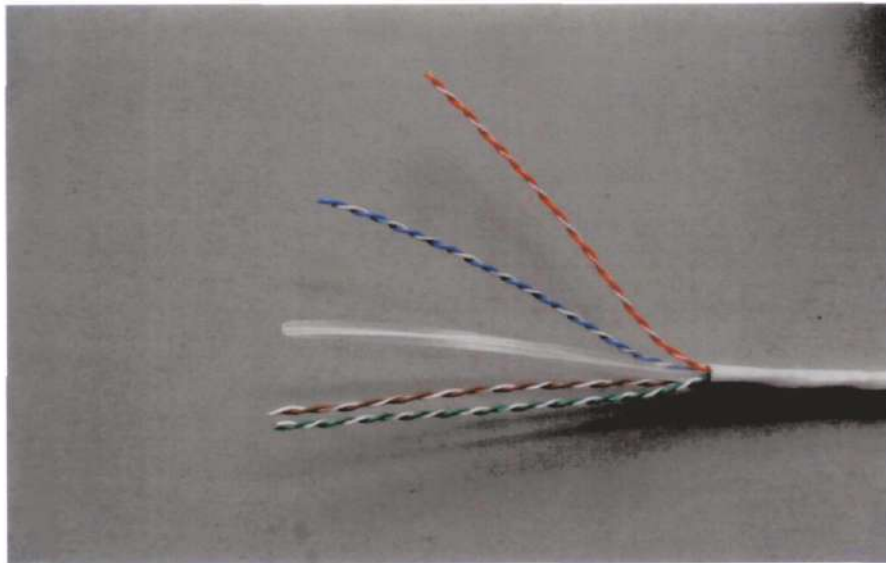
DATE: Dec. 27, 2012

PAGE: 12 of 12

**TEST REPORT**

**4 PHOTOS**

Product Photos: CAT6A U/UTP CABLE



.....End of Report.....





# ■ APPROVALS








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**National Guard Health Affairs  
Imam Abdul-Rahman Hospital  
Projects Field Management Department  
(REQUEST FOR APPROVAL SUBMITTAL)**

**Project Title :site- development at external works for  
new staff housing project .**

To: Eng. Khaled AL yossef  
PFMD Manager

Submittal No: M-1201-ELE-00051-000  
C.N.H.

Date: 9/7/2013

**Sub - Ext 212**

**DAMMAM**

Submitted By (Contractor): Name: Eng. Ezzat mansuor  
Signature: Date: \_\_\_\_\_

Received By (NGHA): Name: \_\_\_\_\_  
Signature: Date: \_\_\_\_\_

Discipline:  ARCH  STR  ELEC  CVL  MECH  Other

From: Eng. Ezzat mansuor  
Project Manager (Gibal Najran)

Please review the following item(s) and return a copy with your action code:

Item No.	Description	Rev.	City	Specification Section & Paragraph	Country of Origin	Manufacturer	Dealer/ supplier	Action Code
1	Fiber optic cable for MATV system Attached letter from supplier to recommend this cable (MOBDEAL CJK)							B

**Action Code**

A= Approved as submitted

B= Approved as Noted

C= Resubmit as Noted

D= Disapproved, Resubmit

E= For Information

NGHA Representative

Name: Engr. Khalid AL Yossef  
Job Title : PFMD Manager  
Signature: \_\_\_\_\_  
Date: 11/10/2013

**Action by**

Name: Engr. HAJI ALI  
Job Title: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: 11/07/2013

Received By Contractor Representative

Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

**COMMENTS:**

\* Submittal the price from supplier to enable  
to compare the price

\* USE THE FIBER OPTIC CABLE FOR MATV AS PER  
SUPPLIER'S RECOMMENDATION. (MOBDEAL  
CALCARE.EAI)

NOTE: Approval does not release the contractor from his responsibilities in performing the work in strict conformance with contract, Scope of work and Specifications.

2013  
24  
إعداد الملف : عطاء الكهف



SCADO		MATERIAL SUBMITTAL FOR APPROVAL				Saudi Build	
KAWARI HOLDING COMPANY AL-KHOBAR 31952 P.O. BOX 2017 TEL : 03-6623333 FAX : 03-6623730		CONTRACT NO: KH-1892		AL-KHOBAR 31952 P.O. BOX 1429 TEL : 03-6647319 FAX : 03-6645800			
PROJECT: KAWABI HQ. BUILDING AT KHOBAR		SUBMITTAL NO: R&Q-MB-E-055		<input type="checkbox"/> NEW SUBMITTAL <input type="checkbox"/> PRE-QUALIFICATION		SHEET 1 OF 1	
PREVIOUS NO. IF ANY		<input type="checkbox"/> RE-SUBMITTAL <input type="checkbox"/> DATA SHEET		<input type="checkbox"/> CATALOGUES <input type="checkbox"/> SAMPLE		DATE OF ISSUE: 19/11/2013 DATE RECEIVED	
ITEM NO.	IDENTIFICATION NUMBER	DESCRIPTION	NO. OF COPIES	SPECIFICATION STANDARD REFERENCE	REMARKS	ACTION CODE	
		Proqualification of NORDEN for following low current system catags		Project Specification KH-1892 By: SCADO	Tender is acceptable subject compliance with Project's Specs	(B)	
1		daylight control system					
2		BMS					
2		CCTV					
4		ACCESS CONTROL SYSTEM					
5		SMARTV					
6		AV system					
7		fire alarm system (Spoken only)					
Project Manager Saudi Build : Mohamed Al-Barboush SIGNATURE:		DATE: 19/11/2013		Approved By Project Manager SCADO : Irac AHEB SIGNATURE:		DATE: 19/11/2013	
ACTION CODES "A" - APPROVED "B" - APPROVED AS NOTED. "C" - REVISE AS NOTED, AND RE-SUBMIT. "D" - REJECTED.		LEGEND: on 20/11/2013 		"C" - CIVIL "E" - ELECTRICAL "M" - MECHANICAL		CC Rawadi Holding Company	
NOTE: THE APPROVAL OF THIS DOCUMENT DOES NOT RELIEVE THE CONTRACTOR FROM HIS CONTRACTUAL OBLIGATIONS.							





RIYADAH INVESTMENT COMPANY <b>ITCC - PHASE II OFFICE</b> 10 APR 2014 <b>RECEIVED</b>	CONSOLIDATED CONSULTANT المصنفون CONSOLIDATED CONSULTANTS	AZMEEL CONTRACTING & CONSTRUCTION CORP. AZMEEL Contracting QA/QC Department ITCC PH II
<b>ITCC - PHASE II</b> <b>MATERIAL SUBMITTAL FORM (MTS)</b>		

SUBJECT: **KNX CABLE**

WORK AREA: <b>PHASE II - GENERAL</b>	DISCIPLINE: <b>EE</b>	SUBMITTAL NO.: <b>MTS-E-0043-A Rev.00</b>
Specs. Code Ref. <b>16504</b>	B.O.Q. Code Ref. Division: <b>16</b>	Drawing No. ----
Submittal Scheduled Date: <b>1-Apr-14</b>	<input checked="" type="checkbox"/> New Submittal <input type="checkbox"/> Re-Submitted	1st. Sub. Date: <b>1-Apr-14</b> Prev. Sub. Date: Present Sub. Date:

Sub- Contractor:

Name:	Address:
Fax:	Phone:
	Telex:
<b>Manufacturer:</b>	<b>Supplier/ Agent</b>
Name: <b>NORDEN COMMUNICATION</b>	Name: <b>CONTROL LINK EST.</b>
Address: <b>DUBAI</b>	Address: <b>RIYADH - KSA</b>
Phone:	Phone: <b>(+966) 11 473 5655</b>
Fax:	Fax:

Information submitted and Attached:

Certificates <input type="checkbox"/>	Operation & Maintenance & Manual <input type="checkbox"/>
Technical Brochure <input type="checkbox"/>	Spare Parts List <input type="checkbox"/>
Manufacturer's Data & Specs. <input type="checkbox"/>	AS-Built Drawings <input type="checkbox"/>
Shop Drawings <input type="checkbox"/>	Warranty <input type="checkbox"/>
Samples <input type="checkbox"/>	Others <input type="checkbox"/>

Contractor's Comments: Attached herewith Material Submittal, Compliance Sheet, Sample & (1) CD Soft Copy

Contractor Signature: \_\_\_\_\_

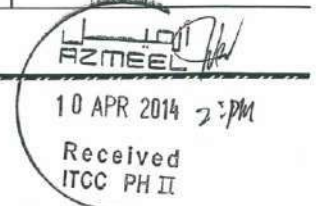
Consultant Comment's: *See Comments on attached document.*

Client Comments: \_\_\_\_\_





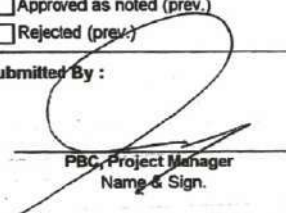


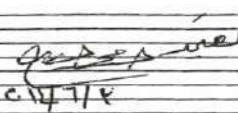
Status:  A Approved  B Approved As Noted  C Revised & Re-Submit  D Rejected  E No Action

Sign & Date	Consultant	Core Team Project Manager	Client
Arch. <input type="checkbox"/> Civil <input type="checkbox"/> Mech. <input type="checkbox"/> Elec. <input checked="" type="checkbox"/> HVAC <input type="checkbox"/> IS <input type="checkbox"/> Date: <b>7/4/2014</b>	Sign: _____ Date: <b>7/4/14</b>	Sign: _____ Date: _____	Sign: _____ Date: _____

Cc.: Project Manager  Received:





DOCUMENT SUBMITTAL			
CAR PARKING PROJECT, JEDDAH ISLAMIC PORT			
CONSULTANT		CONTRACTOR	
 <b>AL - MOFTI ENGINEERING &amp;CONSULTS</b> Jeddah, Saudi Arabia	 <b>JEDDAH ISLAMIC PORT</b> Jeddah, Saudi Arabia	 <b>PROJECT BUILD CO. LTD</b> Al Khobar, Saudi Arabia	
Ref. No.	Date :	<input checked="" type="checkbox"/> Submittal <input type="checkbox"/> Re-Submittal	
PBC/CP/681 (0)	1/6/2014		
DOCUMENT	<input type="checkbox"/> Architectural <input type="checkbox"/> Structural	<input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Mechanical	<input type="checkbox"/> Civil <input type="checkbox"/> Other
Please find enclosed the following DOCUMENTS			
DOCUMENT	TYPE	ACTION	
<b>NORDEN COMMUNICATION</b>	2 SET		
1 TECHNICAL SUBMITTAL FOR CATALOG CABLES & ACCESSORIES, CABINET & ACCESSORIES, FIBER OPTIC CABLE/PATCH PANEL & ACCESSORIES, FIRE ALARM CABLES, CONTROL & COAXIAL CABLE.			A
2 SAMPLE SUBMITTED FOR DATA / TELEPHONE CABLES FIRE, RESISTANT CABLE, FIBER OPTIC CABLE / ADAPTOR, PATCH, CORD PIGTAIL, PVC, FACEPLATE, CAT 6 UPT KEYSTONE JACK, with SAMPLE.			
<b>Note :</b>			
<b>Purpose</b> <input checked="" type="checkbox"/> For Approval <input type="checkbox"/> For Information and Comments <input type="checkbox"/> For Further action <input type="checkbox"/> For your file		<b>Previous Status</b> <input type="checkbox"/> Approved <input type="checkbox"/> Approved as noted Submit again (prev.) <input type="checkbox"/> Approved as noted (prev.) <input type="checkbox"/> Rejected (prev.)	
<b>Checked By :</b>  PBC, Technical Manger Name & Sign.	<b>Submitted By :</b>  PBC, Project Manager Name & Sign.		
<b>Received By :</b>  Name & Signature	<b>Approved By :</b>  Name & Sign. of Consultant		
<b>Remarks/ Comments :</b>			
 01/07/14			
<b>Status :</b>			
<input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> APPROVED AS NOTED		<input type="checkbox"/> REVISE AND RESUBMIT <input type="checkbox"/> FOR INFORMATION	



AL RA'IDAH Housing Complex Project



SITE TRANSMITTAL of  
PRE-QUALIFICATION DOCUMENTS

TRANSMITTAL NO : RHCP/BP-01/PQ/0159  
REV : 0

To: Saud Consult 1496

PROJECT	DIV/PACKAGE	OWNER	CONTRACTOR
RAYADAH HOUSING COMPLEX PROJECT	BP - 01	RAYADAH INVESTMENT COMPANY	MASCO /

WE ARE SENDING HERewith FOLLOWING DOCUMENT BELOW FOR YOUR REVIEW.

ITEM NO.	DRW., SPEC. OR BOQ.	GENERAL DESCRIPTION AND REVISION DETAILS	TYPE (i)	COPIES	ACTION CODE (ii)
		Prequalification Documents of . <b>NORDEN</b> For (1) CONTROL CABLES. (2) TELEPHONE CABLES. (3) DATA CABLES.	PQ	2	B

We certify that the items submitted herewith have been reviewed in detail and are in strict conformance with the Contract Drawings and Specifications except as otherwise stated.

CONTRACTOR : *[Signature]*  
DATE: 14/5/2014



REMARKS :

*prequalification of M/s NORDEN COMMUNICATION (U.K) LTD middle east For Data Cables, telephone cables and control cables are approved subject to comply with national standard, and site requirements.*

Corrections or comments made relative to submittals during this review does not relieve the contractor from compliance with the requirements of his Contract, drawings and specifications. This review is only in respect of general conformance with the design intent of the project and general compliance with the information given in the Contract documents. The contractor remains responsible, among other things, for the design of the project or such parts of the project he has design responsibility for (if design forms part of the Contract), for confirming and correlating all quantities and dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner, all in accordance with the Contract.

CONSULTANT : *[Signature]*  
DATE: 22/5/2014

RECEIVED BY CONTRACTOR :  
DATE:



- (i) TYPE: SD: Shop Drawings
- SM: Sample
- GT: Guarantee
- MD: Manufacturer's Data
- CT: Certificates
- OT: Others

- (ii) ACTION CODE:
- A: Approved
- B: Approved subject to incorporation of all comments as noted
- C: Rejected, to be resubmitted





<b>CLIENT</b> Ministry of Health Riyadh 11176 Tel: (01) 403 2259 Fax: (01) 403 2259 Riyadh - Saudi Arabia		<b>PROJECT MANAGEMENT CONSULTANT</b>  Hill International		<b>SUPERVISION CONSULTANT</b>  Saudi Consolidated Engineering Co. Khatib & Alami P.O. Box 3928 - Riyadh 11481 Tel: 4773384 - Fax 4779793		<b>CONTRACTOR</b>  الخضري AL-KHODARI Abdullah A.M. AlKhoden Sons Co. P.O. Box 3549, Al-Khobar 31952 Tel: 03-8147200 Fax: 03-8147207	
PROJECT No. 22/01/0526/01/00/04		LOCATION : ABQAIQ		PAGE 01 of 01			
PROJECT NAME : GENERAL HOSPITAL 100 BED - ABQAIQ							
DOCUMENT TRANSMITTAL / SUBMITTAL <span style="float: right;">المستندات المقدمة</span>							
Ref. No. : GH/ABQ/MEPM/071		رقم Submittal No. :		2818/114			
Date : 26-Mar-14		تاريخ : <input checked="" type="checkbox"/> New Submittal		<input type="checkbox"/> Re-Submittal			
DISCIPLINE: <input type="checkbox"/> CIVIL <input type="checkbox"/> ARCHITECTURAL <input type="checkbox"/> STRUCTURAL <input type="checkbox"/> HVAC <input type="checkbox"/> PLUMBING <input checked="" type="checkbox"/> ELECTRICAL <input type="checkbox"/> FIRE FIGHTING							
ENCLOSURES (مرفقات)							
DRAWINGS <input type="checkbox"/> مخططات		SAMPLE <input type="checkbox"/> عينة		TEST DATA <input checked="" type="checkbox"/> بيانات الاختبار			
MATERIAL SUBMITTAL <input type="checkbox"/> مواد		SKETCH <input type="checkbox"/> مسكتش		SCHEDULES <input type="checkbox"/> جداول			
CATALOGS <input type="checkbox"/> كتالوج				REPORT <input type="checkbox"/> تقرير			
MFG CERT <input type="checkbox"/> شهادات				CLARIFICATIONS <input type="checkbox"/> توضيحات			
SPECIFICATIONS <input type="checkbox"/> مواصفات				OTHERS : Pre Qualification <input type="checkbox"/> أخرى			
رقم البند ITEM #	DRWG. NO. SPECS. NO.	رقم المخطط رقم المواصفة REV.	توصيف DESCRIPTION	عدد النسخ NO. OF COPIES	رمز القرار ACT. CODE		
1	Smart Program	00	Approval of Technical Submittal for Low Current Cable  Brand : Norden Supplier : Smart Program Country of Origin : U.K (London) Contact : Eng. Assad Salem 0569738627 Tel 038653536 Ext. 23 Fax 038644145	5 (A4) + CD+ Sample	1  <b>(B)</b>		
SPECIFICATION & BOQ			LOCATION / USE				
SENDER (CONTRACTOR) Name: Eng. Tarek Mohamed Hamed Abdo Signature & Date: 26-Mar-14		CO-ORDINATOR (K & A) Name: Omar Signature & Date: 5/6/2014		REVIEWED BY (K & A) Name: H. MURAD Signature & Date: 2.11.14			
Consultant Review & Comments (K & A)							
We recommend approval of Technical Submittal for LOW CURRENT CABLE, of Brand: NORDEN (UK), from the Supplier: SMART PROGRAM, with notes: (1) The Guarantee must cover both Cables & Accessories. (2) All Products must be UK made. (3) Wiring Device must be Anti-Bacterial.							
Project Management Review (PMO)							
Approved by (MQH) <span style="float: right;">قرار وزارة الصحة</span>							
ACTION CODES: A) Approved (موافقة) B) Approved as noted (موافقة بملاحظات) C) Revised And Re-Submit (تعديل وإعادة التقديم) D) Rejected (مرفوض)							
THESE SUBMITTED DOCUMENTS ARE IN STRICT CONFORMITY WITH THE DESIGN DRAWINGS & THE SPECIFICATIONS. MINOR DEVIATIONS ARE INDICATED IN THE SUBMITTED DOCUMENTS. ALL ASPECTS OF ASSOCIATED WORKS HAVE BEEN CONSIDERED AND COORDINATED. الوثائق المقدمة مطابقة للمخططات والمواصفات، وتم الإشارة إلى الاختلافات فيها. مع الأخذ في الاعتبار التنسيق بين جميع التخصصات المشاركة في العمل.							





ITCC - CLIENT OFFICE RAYADAH INVESTMENT COMPANY 13 JUL 2014 RECEIVED	CONSOLIDATED CONSULTANT اتحاد المستشارين CONSOLIDATED CONSULTANTS	AZMEEL CONTRACTING & CONSTRUCTION CORP. AZMEEL Contracting Department ITCC PH II
<b>ITCC - PHASE II</b> <b>MATERIAL SUBMITTAL FORM (MTS)</b>		

SUBJECT: BMS CABLE

WORK AREA: PHASE II - GENERAL      DISCIPLINE: EE      SUBMITTAL NO.: MTS-E-0053-A Rev.01

Specs. Code Ref. <b>15960</b>	B.O.Q. Code Ref. Division: 15	Drawing No. ----	<input type="checkbox"/> New Submittal <input checked="" type="checkbox"/> Re-Submitted	Ist. Sub. Date: Prev. Sub. Date: Present Sub. Date: <b>3-Jul-2014</b>
Submittal Scheduled Date: 3-Jul-14				

Sub- Contractor:

Name:	Address:
Fax:	Phone:
	Telex:
<b>Manufacturer:</b>	<b>Supplier/ Agent</b>
Name: <b>NORDEN COMMUNICATION</b>	Name: <b>CONTROL LINK EST.</b>
Address: <b>UK</b>	Address: <b>P.O BOX 325047, RIYADH 11371 KSA</b>
Phone:	Phone: <b>(+966) 11 473 5655</b>
Fax:	Fax:

Information submitted and Attached:

Certificates	<input checked="" type="checkbox"/>	Operation & Maintenance & Manual	<input type="checkbox"/>
Technical Brochure	<input type="checkbox"/>	Spare Parts List	<input type="checkbox"/>
Manufacturer's Data & Specs.	<input type="checkbox"/>	AS-Built Drawings	<input type="checkbox"/>
Shop Drawings	<input type="checkbox"/>	Warranty	<input type="checkbox"/>
Samples	<input type="checkbox"/>	Others	<input type="checkbox"/>

Contractor's Comments:

Attached herewith ITCC Project Test Certificate from NORDEN Communication

Contractor Signature: *[Signature]*

Date: 06-07-14

Consultant Comment's:

*See Comments on the attached sheet.*

Client Comments

Status:  Approved     Approved As Noted     Revised & Re-Submit     Rejected     No Action

Sign & Date	Consultant	Core Team Project Manager	Client
Arch. <input type="checkbox"/> Civil <input type="checkbox"/> Mech. <input type="checkbox"/> Elec. <input checked="" type="checkbox"/> 9/7/14 HVAC <input type="checkbox"/> LS <input type="checkbox"/>	Sign: <i>[Signature]</i> Date: 9/7/14 AZMEEL	Sign: Date:	Sign: <i>[Signature]</i> Date:

Cc.: Project Manager  Received:

15 JUL 2014  
 Received  
 ITCC PH II


اتحاد المستشارين للهندسة والبيئة  
 Consolidated Consultants


Date 07 JUL 2014

Received  
 ITCC PH II



ZUHAIR FAYEZ PARTNERSHIP





وزارة الداخلية  
مركز المشروعات التطويرية

**الخضري**  
**AL-KHODARI**

شركة أبناء عماد عبدالمحسن الخضري  
ABDULLAH A.M. AL-KHODARI SONS CO.

---

**MATERIAL APPROVAL SUBMITTAL FORM**

PROJECT NAME: Training Center Facilities of Security Task Force Eastern Region Site work & Buildings

SUBJECT: Approval for Structured Cabling System I.e, Fiber Optic Cable, Data Cables, Telephone Cables, Coaxial Cables Etc.

Submittal No.: STF-MFA-Elect-237      Date Received: 24/08/2014      Date Returned: \_\_\_\_\_

DISCIPLINE:	ARCH.	CIVIL	MECH.	HVAC	ELECT.	IRRIGATION	OTHERS
Specs. Code & Ref.	16740, 16742, 16744, 16748, 16749, 16750	B.O.Q. Code Ref.		16-050		Drawing No.	

Manufacturer: \_\_\_\_\_ Supplier/ Sub Contractor: \_\_\_\_\_

Name: Norden Communication      Name: Saudi Rama for Development

Address: London, United Kingdom, UK Ltd.      Address: P.O Box No. 4244 Al Khobar 31952, KSA

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_      Phone: 8824500      Fax: 8820359

---

Information submitted and attached:

<input checked="" type="checkbox"/> Manufacturer <input checked="" type="checkbox"/> Certificates <input checked="" type="checkbox"/> Technical Brochure <input checked="" type="checkbox"/> Manufacturer's Data & Specs. <input type="checkbox"/> Shop Drawings	<input type="checkbox"/> Comparison Sheet <input type="checkbox"/> Samples <input type="checkbox"/> Company Profile <input type="checkbox"/> Others (Photos)
--	---

(Contractor) [Signature]      Discipline Eng.      Date: 24/08/2014

Consultant's Comments & Recommendations:

*يجب استكمال جميع الوثائق المتعلقة وتقدم لخطوات التنفيذ*

See Attachment

Consultant [Signature]      Discipline Eng.      Date: 26-8-2014

---

FOR FURTHER ACTION BY

<input type="checkbox"/> For Information <input type="checkbox"/> For Approval	<input type="checkbox"/> For Information <input checked="" type="checkbox"/> For Approval
--	---

A. AL-KHODARI SONS CO.  
RECEIVED  
28 AUG 2014  
Signature: [Signature]

---

COMMITTEE'S DECISION

Approved     Approved as noted     Revise and submit     Rejected

ZFP/PM      Client

---

Cc: client [Signature]

Note: This review does not relieve the contractor of his responsibility under the terms of the contract nor authorize additional compensation. In case of the required action is "FOR INFORMATION" and no reply within one week, the submittal considered to be "APPROVED"

**RECEIVED**



Contractor :  <b>Jawdat Contracting co.</b> شركة جودت للمقاولات المحدودة		المقاول : Kingdom Of Saudi Arabia Ministry Of Higher Education Qassim University Directorate of Projects & Maintenance		المملكة العربية السعودية وزارة التعليم العالي جامعة القصيم ادارة المشاريع والصيانة			
Project Name : الكليات الصحية - طابقيات		اسم المشروع :		رقم المشروع : 1176			
طلب اعتماد مواد		1176					
Submittal No.: EEC-0001-130 رقم التقديم		Submittal Date : 2014/10/29		05/01/1436 تاريخ التقديم			
For Information <input type="checkbox"/>		For Approval <input checked="" type="checkbox"/>		For construction/fabrication <input type="checkbox"/>			
Civil <input type="checkbox"/>		Architectural <input type="checkbox"/>		Structural <input type="checkbox"/>			
HVAC <input type="checkbox"/>		Plumbing <input type="checkbox"/>		Conveying <input type="checkbox"/>			
Test <input type="checkbox"/>		Drawings <input type="checkbox"/>		Certificates <input checked="" type="checkbox"/>			
Others <input type="checkbox"/>		Calculations <input type="checkbox"/>		Specifications <input type="checkbox"/>			
Sample <input checked="" type="checkbox"/>		Catalogues <input checked="" type="checkbox"/>					
رقم البند Item	الوصف Description	المصنع / العلامة Manufacturer / Brand	المورد Supplier	البلد Country of Origin	مراجع المواصفات Specs.Ref.	مراجع المخططات Drwg.Ref.	التكود Action Code
	PUBLIC ADDRESS CABLE	NORDEN	شركة الاحترافية	UK	16726		B
Manufacturer Address:		تاريخ:		موقع:		عنوان المورد:	
Supplier Address:		تاريخ:		موقع:		عنوان المورد:	
Local Agent Address:		تاريخ:		موقع:		عنوان المورد:	
Contractors Remarks:		ملاحظات المقاول:		<p>تعهد بصحة البيانات المدونة اعلاه و بيان المواد المقدمة اعلاه مطابقة للمواصفات ورسومات المصنم مالم يذكر غير ذلك.</p> <p>We certify that above submitted items are correct and in strict conformance drawings and specs with contract except otherwise stated.</p>			
Contractor Signature & Stamp		التوقيع و ختم المقاول		Copy To SubContractor:			
Date: 2014/10/29		05/01/1436		INFO <input type="checkbox"/> ACTION <input type="checkbox"/>			
A=Approved B= Proceed with comment C= Resubmit D= Reject		ملاحظات جهة الاعتماد:		تاريخ التقديم: / /			
Comments/Comments Remarks		ملاحظات جهة الاعتماد:		تاريخ الاستلام: / /			
NORDEN as a manufacturer				الاستشاري:			
for PUBLIC address cable from				الاسم و التوقيع:			
UK Tinned copper 16 AWG is approved				التاريخ:			
Signature according to data sheet		التوقيع		Project Manager			
				Directorate Manager			
				Eng. Suliman Saleh Al Feridy			
Original: Contractor		الصورة المقاول		ختم: ان احضرت المواد اعلاه لا يعنى المقاول من التزامه بشرح المواد المدونة اعلاه			
Copy : Project & Maintenance Directorate		مستودع اجهزة المشاريع والصيانة		The Contractor is no relieve of responsibility after approval of drawings and material			

2014/10/29





**MODERN PROFESSIONAL EST.**  
For ELECTRONICS  
Trading for Electronics Equipments



**مؤسسة الاحترافية الحديثة**  
للاكترونيات  
تجارة الاجهزة الاكترونية

Date: Oct 27, 2014

Ref: SWME-QU-JAW-PA-02

**Recommended Cables for PA system**

To	P.O
Customer ID : 0151	Project name . : female medical city QU.
Company: M/s Jawdat Contracting Co. Ltd.	System : Public address system
Attn: Mr. Mohamed feroz	Location: Qassem

This is to kindly inform you that the recommended cable for PA system for female medical city project for Qassem university as follows :

Brand name : Norden

Made in UK

Cable Specs as per attached data sheet for part number **71-3201161**

Modern Professional Est.

Sameh S. idris

٢٠١٤ / ١٠ / ٢٧  
[Handwritten signature]



جدة - سوق جدة الدولي - س.ت : ٤٠٣٠٢٠٨٢٦٩ - غ.ت : ١٥٢٧٦٤ ت : ٦٦١٦٧١٣ - المملكة العربية السعودية

Jeddah- Jeddah International Market- C.R: 4030208269 - C.C.J : 152764 - Tel: 6616713 - Kingdom of Saudi Arab



Fax sent by : 2182724

GSFMO PED

17-83-15 14:37 Pg: 1

المؤسسة العامة لصوامع الغلال و مملحن الدقيق  
 تلبية المشروعات - الإدارة العامة  
 رقم الصك : 29844  
 تشريع : 16/03/2015 - 1436/05/25  
 صرفقات :



المملكة العربية السعودية  
 المؤسسة العامة  
 لتصامع الغلال و مطاحن الدقيق  
 الإدارة العامة - الرياض  
 ٢٢٨

**FAX**

TO : M/S. AL-MUHAIIDIB CONTRACTING  
 RIYADH

FAX #: 2783290

ATTN : ENGR. MOHAMED MASHAKO  
 PROJECT MANAGER

CC : ENGR. IHAB MOHAMED FARID  
 RESIDENT ENGINEER  
 GSFMO'S JAZAN PROJECTS

SUB : JZSA PROJECT- NORDEN FOR TELEPHONE CABLES(REV-C).

REFERENCE YOUR LETTER # SG/SJ/175-PED DTD 21/05/1436H.

NORDEN MADE IN UK JELLY FILLED TELEPHONE CABLE IS **APPROVED**  
**SUBJECT TO** CONFIRMATION OF THE FOLLOWING:

- 1) SOLID COPPER CONDUCTOR WITH 0.63 MM DIA
- 2) TAPE LAMINATED WITH PE COPOLYMER CABLE SUITABLE FOR SEA PORT UNDER GROUND CONDITIOS.
- 3) OUTER JACKET WITH POLYEHTYLENE
- 4) ALL SPECIFICATION MUST COMPLY WITH KINGDOM OF SAUDI ARABIA MINISTRY O PTT MATERIALS SPECIFICATIONS.

REGARDS,

ENGR. ABDULLAH ABDULAZIZ ABABTAIN  
 DIRECTOR PROJECTS EXECUTION DEPT.

المهيدب Al Muhaidib

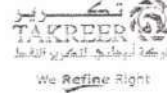
Contracting المقاولات

Ref No : R-1191 Date : 17-Me-2015  
 From : GSFMO Ped  
 To : Bilal





**FACSIMILE MESSAGE**



**TO :** M/S. GULF COAST ELECTRO MECHANICAL CO. WLL      Fax No.: 02-6417993  
 ATTN: MR. WAQAS SHAIKH – MANAGING DIRECTOR

**FROM :** MAINTENANCE DEPARTMENT MANAGER      Fax No.: 02-6026218  
 ABU DHABI REFINERY DIVISION  
 Abu Dhabi Oil Refining Company (TAKREER)  
 P. O. Box 3087 - Tel. (9712) 6026200 Abu Dhabi, U.A.E.      Response Required  Yes /  No  
 Response Date:

---


**REF. NO. :** TKR/84/CESH/1577/10      **DATE :** 8 JULY, 2010

**SUBJECT :** TENDER NO. 09ARMTA10576  
NEW TELEPHONE CABLE FROM REFINERY TO SWI & EMERGENCY  
POWER SUPPLY PROVISION FOR NEW ECC ROOM AT ABU DHABI REFINERY  
100 PAIRED JELLY FILLED CABLE

THIS HAS REFERENCE TO YOUR MEMO GC/P254/1107/10 DATED 07.07.2010 ON ABOVE SUBJECT. PLEASE NOTE THAT WE HAVE REVIEWED ATTACHED THEREWITH M/S. NORDEN 100 PAIR, ARMORED, JELLY FILLED TELEPHONE CABLE, BEARING MANUFACTURER PART NO. 212-24100. IT IS TECHNICALLY ACCEPTABLE.

THIS IS FOR YOUR INFORMATION AND NECESSARY ACTION.

REGARDS,

  
 ABED N. AL AMERI

CC: CESH

7/8/2010  
 10:01 AM



If you do not receive all the pages,      No. of pages to follow

Please call Telephone : (971 2) 6026402

Confidentiality Notice: This Fax is Confidential. If you are not the intended recipient, please notify us immediately. You should not copy the Fax or use it for any purpose or disclose its contents to any other person. Thank you.  
0104069412010\Fax\1\CESH\_10-46-1599      08/07/2010 / 13:46:02



10/01/01      026021996      01      010      FROM      08:18      12-JUL-2010      08:18      010









	<b>UAE ARMED FORCES COMMAND OF MILITARY WORKS</b>		Reference		<b>Y</b> G C	
			MTS	E		012
			Date			Rev.
				01/10/2012		
<b>MATERIAL SUBMITTAL</b>						
This Material Submittal must be accompanied by a Compliance Statement						
Project No.	11039	C001	Subject	ELECTRICAL MATERIAL		
From	YOUSEF GEN. CONT. EST.		To	CMW REGIONAL ENGINEER - ALAIN		
Address/Contact	TEL: 03-7211516 FAX: 03-7220062		Address/Contact			
SUBMITTAL TITLE: ELECTRICAL SYSTEM (VOICE & DATA)						
Facility	1	F. Level	0.T	Zone	121102-ALAIN	
Discipline	ELECTRICAL	WBS ID	CMW.1.11039.6.10	CSI ID	01.00.00	
Compliance	<input checked="" type="radio"/> Complies with Contract Documents		<input type="radio"/> Alternative (attach support documents)			
Ser.	Full Description / Sizes / Details				Ref to BOQ / Specs / Dwgs	
1	VOICE & DATA INFRASTRUCTURE					
2	BRAND: NORDEN					
3	GLOBAL INTEGRATED SYSTEM - ABU DHABI					
4						
5						
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.						
<b>FOR THE CONTRACTOR</b>						
Name	ENG: HUSAM JAWHAR	Signature		Date	01/10/2012	
<b>SUBMITTAL REVIEW &amp; COMMENTS</b>						
Site Engineer / Services Engineer Comments: Norden-UK approved as noted						
① provide shop drawing / schematic diagram ② separate earth to be provided to the system ③ cat. 6 cable to be specified ④ test to be done by supplier engineer and 2 yrs warranty to be provided						
Name		Signature		Date	4-10-12	
Approval Committee / Consultant Comments:						
Name		Signature		Date		
Project Manager Comments: (to be filled ONLY if the escalation box above is Ticked)						
Review Status (by Final Approver)	<input type="checkbox"/> Code A	<input checked="" type="checkbox"/> Code B	<input type="checkbox"/> Code C	<input type="checkbox"/> Code D		
	APPROVED	APP. AS NOTED	REVISE & RESUBMIT	REJECTED		
Name	Capt Salwa	Signature		Date	4/10/12	
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.						
<b>FOR THE CONTRACTOR</b>						
Name	Eng. husam	Signature		Date	4-10-	






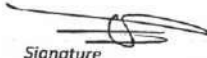
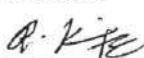
 <b>UAE ARMED FORCES COMMAND OF MILITARY WORKS</b>		Reference		
		<b>MTS E 31a</b>		
<b>MATERIAL SUBMITTAL</b>		Date	Rev.	
		<b>27-Sep-11</b>	<b>Rev.0</b>	
Project No.	10185	-	Subject	DIFFERENT FACILITIES DHAFRA-AIRBASE
From	CAPRIOLE CONSTRUCTION CO. LLC		To	COMMAND OF MILITARY WORKS
Address / Contact	Abu Dhabi P.O.BOX.34103		Address / Contact	TEL:6188386 FAX : 6419050 ABU DHABI - UAE
<b>SUBMITTAL TITLE: Voice &amp; Data System Components &amp; Accessories</b>				
Facility	1,3,4,5,6&9	F. Level	All Level	Zone GENERAL
Discipline	E	WBS ID	CMW.1.10185.6.35	CSI ID 26 00.00
Compliance	<input checked="" type="radio"/> Complies with Contract documents <input type="radio"/> Alternative (support data attached)			
Ser.	Full Description / Sizes / Details			Ref to BOQ / Specs / Dwgs
1	VOICE & DATA SYSTEM			BILL NO- 1,3,4,5,6&9 DIVISION : 16
2	PROPOSAL 1 : NORDEN -UK			
3	SUPPLIER. ; NORDEN, TEL.: 06-5262516, FAX.: 06-5262517			
4				
5	ATTACHED SPECIFICATION			
6	ATTACHED & TECHNICAL SUBMITTAL			
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.				
<b>FOR THE CONTRACTOR</b>				
Name	Signature		Date	27-Sep-11 ISSUER STAMP
<b>SUBMITTAL REVIEW &amp; COMMENTS</b>				
Site Engineer / Services Engineer Comments:				
Name Signature Date				
Approval Committee / Consultant Comments:				
Approved as per attached list dated 27/9/2011				Escalation to PM is Required <input type="checkbox"/>
Name Signature Date 27/9/2011				
Project Manager Comments: (to be filled ONLY if the escalation box above is Ticked)				
Review Status (by Final Approver)	<input type="checkbox"/> Code A APPROVED	<input type="checkbox"/> Code B APP. AS NOTED	<input type="checkbox"/> Code C REVISE & RESUBMIT	<input type="checkbox"/> Code D REJECTED
Name	Signature	Date		
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.				
<b>FOR THE CONTRACTOR</b>				
Name	Signature	Date	Receiver STAMP	
All details must be filled in English				






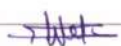


		<b>UAE ARMED FORCES COMMAND OF MILITARY WORKS</b>		Reference <b>MTS E 27</b>		
		<b>MATERIAL SUBMITTAL</b>		Date Rev. <b>04.03.2012 0</b>		
Project No.	10098	-	Subject	DIFFERENT FACILITIES @ ZAYAD MILITARY CITY		
From	CAPRIOLE CONSTRUCTION CO. LLC		To	COMMAND OF MILITARY WORKS		
Address / Contact	Abu Dhabi P.O.BOX.34103		Address / Contact	TEL:02-4477502 FAX : 02-4477503 ABU DHABI - UAE		
<b>SUBMITTAL TITLE: VOICE &amp; DATA SYSTEM</b>						
Facility	ALL FACILITIES	F. Level	All Level	Zone		
Discipline	E	WBS ID	MW.1.10098.6.35	CSI ID 26 00.00 Electrical		
Compliance	<input checked="" type="radio"/> Complies with Contract documents			<input type="radio"/> Alternative (support data attached)		
Ser.	Full Description / Sizes / Details			Ref to BOQ / Specs / Dwgs		
1	VOICE & DATA SYSTEM			ALL FACILITIES		
2	PROPOSAL-1NORDEN-UK					
3	SUPPLIER :-NORDEN TEL:06-5262516 FAX:06-5262517					
4						
5	Encl.: One Original + One Copy of The Submittal					
6						
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.						
<b>FOR THE CONTRACTOR</b>						
Name	Shawqi Yousef	Signature			Date	04.03.2012
Site Engineer / Services Engineer Comments:						
Name _____ Signature _____ Date _____						
Approval Committee / Consultant Comments:						
						Escalation to PM is Required <input type="checkbox"/>
Name _____ Signature _____ Date _____						
Project Manager Comments: (to be filled ONLY if the escalation box above is Ticked)						
Review Status (by Final Approver)	<input type="checkbox"/> Code A APPROVED	<input type="checkbox"/> Code B APP. AS NOTED	<input type="checkbox"/> Code C REVISE & RESUBMIT	<input type="checkbox"/> Code D REJECTED		
Name	Signature		Date			
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.						
<b>FOR THE CONTRACTOR</b>						
Name	Signature		Date		Receiver STAMP	
All details must be filled in English						



		UAE ARMED FORCES COMMAND OF MILITARY WORKS		Reference <b>MTS E 0009</b>		
		<b>MATERIAL SUBMITTAL</b>		Date <b>28/12/2011</b>	Rev. <b>00</b>	
Project No. <b>mw-ou-167-10 - 2010</b> Subject <b>STRUCTURE CABLING</b>						
From <b>AL DIYAR GEN.CONT.CO.LLC</b>		To <b>COMMAND OF MILITARY WORKS</b>				
Address / Contact P.O.BOX: 45310, ABU DHABI. TEL 02-6743939, FAX 02-6743936		Address / Contact TEL: 02-6188386, FAX 02-6419050				
<b>SUBMITTAL TITLE: STRUCTURE CABLING</b>						
Facility <b>ALL</b>		F. Level		Zone <b>ABU DHABI</b>		
Discipline <b>E</b>		WBS ID <b>CMW.1.09167.6.10</b>		CSI ID <b>27 10 00</b>		
Compliance <input checked="" type="radio"/> Complies with Contract documents <input type="radio"/> Alternative (support data attached)						
Ser.		Full Description / Sizes / Details			Ref to BOQ / Specs / Dwgs	
1		OPTION 1:-TECHLGIKS CANADA (LINKED DATA SYSTEM)				
2		OPTION 2:-NORDEN (LINKED DATA SYSTEM)				
3						
4						
5						
6						
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.						
<b>FOR THE CONTRACTOR</b>						
Name <b>R. KRISHNARAJ</b>		Signature 		Date		
<b>SUBMITTAL REVIEW &amp; COMMENTS</b>						
Site Engineer / Services Engineer Comments:						
<i>Forwarded TO CMW Electric engineer for approval</i>						
Name <b>Hamid Bassioni</b>		Signature 		Date <b>28/12/2011</b>		
Approval Committee / Consultant Comments:						
<i>Norden is approved - To be screened type</i>						
Escalation to PM is Required						
Name		Signature 		Date <b>11-1-2012</b>		
Project Manager Comments: (to be filled ONLY if the escalation box above is Ticked)						
Review Status (by Final Approver)						
<input type="checkbox"/> Code A APPROVED		<input type="checkbox"/> Code B APP. AS NOTED		<input type="checkbox"/> Code C REVISE & RESUBMIT		<input type="checkbox"/> Code D REJECTED
Name		Signature		Date		
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.						
<b>FOR THE CONTRACTOR</b>						
Name <b>R. KRISHNARAJ</b>		Signature 		Date		
						Receiver STAMP



	<b>UAE ARMED FORCES COMMAND OF MILITARY WORKS</b>		Reference		
	<b>MATERIAL SUBMITTAL</b>		MTS	E 028	
			Date	Rev.	
				-FEB -2012	01
<b>This Material Submittal must be accompanied by a Compliance Statement</b>					
Project No.	11035	-	C001 Subject	STRUCTURED CABLING SYSTEM	
From	YOUSEF GEN. CONT. EST.		To	C.M.W Regional Engineer	
Address/ Contact	TEL: 03-7211516 FAX : 03-7220062		Address/ Contact		
<b>SUBMITTAL TITLE: STRUCTURED CABLING SYSTEM</b>					
Facility	01/246	F. Level	0	Zone	Zaid Military City
Discipline	ELEC.	WBS ID	CMW.1.11041.6.35	CSI ID	21 00 00
Compliance	<input checked="" type="radio"/> Complies with Contract Documents			<input type="radio"/> Alternative (attach support documents)	
Ser.	Full Description / Sizes / Details				Ref to BOQ / Specs / Dwgs
1	ITEM : STRUCTURED CABLING SYSTEM				
2	BRAND : NORDEN				
3	ORIGIN : UK				
4	SUPPLIER :SAFETICO				
5					
<i>The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as " Alternative " above.</i>					
<b>FOR THE CONTRACTOR</b>					
Name	Eng. Tamer Al Banna	Signature		Date	FEB 2012
<b>SUBMITTAL REVIEW &amp; COMMENTS</b>					
Site Engineer / Services Engineer Comments:					
Name		Signature		Date	
Approval Committee / Consultant Comments:					
Approved as per attached list.					
Name		Signature		Date	2/5/2012
Project Manager Comments:(to be filled ONLY if the escalation box above is Ticked)					
Review Status	<input type="checkbox"/> Code A		<input type="checkbox"/> Code B		<input type="checkbox"/> Code C
(by Final Approver)	APPROVED		APP. AS NOTED		REVISE & RESUBMIT
Name		Signature		Date	REJECTED
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.					
<b>FOR THE CONTRACTOR</b>					
Name		Signature		Date	










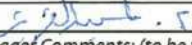
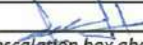
 <b>UAE ARMED FORCES COMMAND OF MILITARY WORKS</b>		Reference <b>MTS E 0027</b>	Issuer Logo (Leave Blank if issuer is CMW)
<b>MATERIAL SUBMITTAL</b>		Date <b>4-Nov-11</b>	Rev. <b>00</b>
This Material Submittal must be accompanied by a Compliance Statement			
Project No.	10068	Subject	Structured Cabling System
From	FAYA CONSTRUCTIONS L.L.C	To	COMMAND OF MILITARY WORKS
Address / Contact	SHARJAH P.O BOX 66614 Eng muataz Abbas	Address / Contact	PROJECT ENG. RAK
SUBMITTAL TITLE: <b>Structured Cabling System</b>			
Facility	ALL	F. Level	Zone ALL
Discipline	E	WBS ID 6.35	CSI ID 27 10 00
Compliance	<input checked="" type="radio"/> Complies with Contract documents <input type="radio"/> Alternative (attach support documents)		
Ser.	Full Description / Sizes / Details	Ref to BOQ / Specs / Dwgs	
1	Technical Submittal for Structured Cabling System Make: Norden, Origin: U.K Supplier: Safetico Security and Safety System L.L.C (Technical Submittal Enclosed)		
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.			
<b>FOR THE CONTRACTOR</b>			
Name	Muataz abbas	Signature	Date 4-Nov-11
SUBMITTAL REVIEW & COMMENTS			
Site Engineer / Services Engineer Comments:			
سوس انكس اى سى اس			
Name	سوس انكس	Signature	Date 13/11/2011
Approval Committee / Consultant Comments:			
1) Norden, Origin. U.K approved as a make, 2) Resubmit with other 2 suppliers. 3) Debate supplier enr. for discussion.			Escalation to PM is Required <input type="checkbox"/>
Name	محمد العبدالله	Signature	Date 16.11.2011
Project Manager Comments (to be filled ONLY if the escalation box above is Ticked)			
Review Status (by Final Approver)			
<input type="checkbox"/> Code A <input type="checkbox"/> Code B <input type="checkbox"/> Code C <input type="checkbox"/> Code D			
<input type="checkbox"/> APPROVED <input type="checkbox"/> APP. AS NOTED <input type="checkbox"/> REVISE & RESUBMIT <input type="checkbox"/> REJECTED			
Name		Signature	Date
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.			
<b>FOR THE CONTRACTOR</b>			
Name	محمد المنعم	Signature	Date
CMW-S031-MIS-rev 0-10109    FAYA CONSTRUCTION L.L.C    PO Box: 66614 Sharjah - U.A.E.			





	<b>UAE ARMED FORCES COMMAND OF MILITARY WORKS</b>			Reference MTS E 0030			
	<b>MATERIAL SUBMITTAL</b>			Date 25-Jun-12			Rev. 00
	This Material Submittal must be accompanied by a Compliance Statement						
Project No.	82	-	2010	Subject			
From	Technical Architects			To	CMW		
Address / Contact	Abu Dhabi, UAE 026355514			Address / Contact	Al Ain, UAE		
SUBMITTAL TITLE: <b>Structured Cabling</b>							
Facility		F.Level		Zone			
Discipline	E-Electrical	WBS ID	cmw.1.082.6.35	CSI ID	22 00 00		
Compliance	<input checked="" type="radio"/> Complies with Contract documents			<input type="radio"/> Alternative (attach support documents)			
Ser.	Full Description / Sizes / Details				Ref to BOQ / Specs / Dwgs		
1	Structured Cabling						
2	Brand: 1.NORDEN/UK ✓						
3	2. EXCEL /UK						
4	3. OPTI CHINA/ CHINA						
5							
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.							
FOR THE CONTRACTOR							
Name	Signature		Date		Issuer STAMP		
	ENG. Salama						
SUBMITTAL REVIEW & COMMENTS							
Site Engineer / Services Engineer Comments:							
Name	Signature		Date				
Approval Committee / Consultant Comments:							
Norden - UK Approved as noted					Escalation to PM is Required  <input type="checkbox"/>		
① provide sample of cabinet for acceptance ② rat.6 cable outlet to be 45° app angle ③ Testing & commissioning to be done by Supplier's engineer ④ Certificate of origin to be provided							
Name	Signature		Date				
			25/6/12				
Project Manager Comments: (to be filled ONLY if the escalation box above is ticked)							
Review Status (by Final Approver)	<input type="checkbox"/> Code A APPROVED	<input checked="" type="checkbox"/> Code B APP. AS NOTED	<input type="checkbox"/> Code C REVISE & RESUBMIT	<input type="checkbox"/> Code D REJECTED			
Name	Signature		Date				
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the contractor of any of his obligations under the Contract.							
FOR THE CONTRACTOR							
Name	Signature		Date		Receiver STAMP		



 <p align="center"><b>UAE ARMED FORCES COMMAND OF MILITARY WORKS</b></p>		Reference																		
		MTS	E	1048																
<p align="center"><b>MATERIAL SUBMITTAL</b></p>		Date		REV																
		14-Jun-12		01																
Project No.	298-2010	Subject	ELECTRICAL MATERIAL SUBMITTAL																	
From	DESERT KNIGHT TRADING & GEN. CONTRACTING	To	CMW REGIONAL ENGINEER																	
Address /	TEL: 02-6216641	Address /	EASTERN AREA																	
Contact	FAX: 02-6216671	Contact	TEL: 03-7678694	FAX: 03-7676682																
<b>SUBMITTAL TITLE:</b>		<b>STRUCTURED CABLING</b>																		
Facility	F. Level	Zone	QUSAIWERA																	
Discipline	ELECTRICAL	WBS ID	CSI ID																	
Compliance	<input type="radio"/> Complies with Contract documents <input type="radio"/> Alternative (support data attached)																			
Ser.	Full Description / Sizes / Details		Ref to BOQ / Specs / Dwgs																	
1	STRUCTURED CABLING																			
2	BRAND: 1. NORDEN - UK ✓																			
3	2. EXCEL - UK																			
4	3. OPTICHINA - CHINA																			
5																				
6																				
<p>The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above</p>																				
<b>FOR THE CONTRACTOR</b>																				
Name	Englattia	Signature		Date	14/06/12															
					Issuer STAMP															
<b>SUBMITTAL REVIEW &amp; COMMENTS</b>																				
Site Engineer / Services Engineer Comments:																				
<table border="1"> <tr> <td>Name</td> <td></td> <td>Signature</td> <td></td> <td>Date</td> <td></td> </tr> </table>						Name		Signature		Date										
Name		Signature		Date																
Approval Committee / Consultant Comments:																				
<p align="center">Norden - UK approved as noted</p> <p>① refer to attached list for details</p> <p>② Cabin sample to be provided ③ Certificate of origin to be provided</p>					Escalation to PM is Required <input type="checkbox"/>															
Name		Signature		Date	14.6.12															
Project Manager Comments: (to be filled ONLY if the escalation box above is Ticked)																				
<table border="1"> <tr> <td>Review Status (by Final Approver)</td> <td><input type="checkbox"/> Code A</td> <td><input checked="" type="checkbox"/> Code B</td> <td><input type="checkbox"/> Code C</td> <td><input type="checkbox"/> Code D</td> </tr> <tr> <td></td> <td>APPROVED</td> <td>APP. AS NOTED</td> <td>REVISE &amp; RESUBMIT</td> <td>REJECTED</td> </tr> <tr> <td>Name</td> <td></td> <td>Signature</td> <td></td> <td>Date</td> </tr> </table>						Review Status (by Final Approver)	<input type="checkbox"/> Code A	<input checked="" type="checkbox"/> Code B	<input type="checkbox"/> Code C	<input type="checkbox"/> Code D		APPROVED	APP. AS NOTED	REVISE & RESUBMIT	REJECTED	Name		Signature		Date
Review Status (by Final Approver)	<input type="checkbox"/> Code A	<input checked="" type="checkbox"/> Code B	<input type="checkbox"/> Code C	<input type="checkbox"/> Code D																
	APPROVED	APP. AS NOTED	REVISE & RESUBMIT	REJECTED																
Name		Signature		Date																
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.																				
<b>FOR THE CONTRACTOR</b>																				
Name		Signature		Date	Receiver STAMP															

All details must be filled in English



مؤسسة الإمارات للمواصفات والمقاييس  
Emirates Authority For Standardization & Metrology



Product Number	Description	Qty	Site Survey a must for the company
<b>5TH Floor</b>			
<b>APC UPS</b>			
SURTD5000RMXLI	APC Smart-UPS On-Line, 3500 Watts / 5000 VA, Input 230V / Output 230V	1	- Rack mount on Floor Stand
SURT192RMXLBP	APC Smart-UPS RT 192V RM Battery Pack	1	
<b>APC ENVIRONMENTAL MONITORING</b>			
NBRK0451	NetBotz Rack Monitor 450 (with 120/240V Power Supply)	1	
AP9335TH	APC Temperature & Humidity Sensor	1	
NBES0308	NetBotz Leak Rope Sensor - 20 ft.	1	
AP9324	APC Alarm Beacon	1	
NBES0307	APC NetBotz Smoke Sensor - 10 ft.	1	
<b>APC RACK</b>			
AR3150	APC NetShelter SX 42U 750mm Wide x 1070mm Deep Enclosure with Sides Black	1	perforated Floor
AR7580	Vertical Cable Manager for NetShelter SX 750mm Wide (Qty 2)	1	
AP7553	Rack PDU, Basic, Zero U, 32A, 230V, (20)C13 & (4)C19	2	
ACF504	Netshelter SX Roof Fan Tray 208-230 VAC 750mm	1	
<b>STRUCTURED CABLING</b>			
	3071 ETL Verified Category 6 U/UTP Cable, low smoke zero halogen, white jacket, 4 pair count, 1000 ft (305 m) length,	6	Broad GA or 6
	FACEPLATE - 2 Gang Faceplate	15	Dual metal / PVC
	FACEPLATE - LF80 Angled (White)	30	Single / Dual - metal / PVC
	GigaSPEED® XL PATCHMAX® GS3 Category 6 U/UTP Patch Panel, 24 port	2	
	MGS400 Series Category 6 U/UTP information Outlet, white	30	
	GS8E-L Modular Patch Cord, Grey, GigaSPEED XL, 7 Ft	30	
	GS8E-L Modular Patch Cord, Grey, GigaSPEED XL, 10 Ft	30	
<b>PROFESSIONAL SERVICES</b>			
	Installation, termination, commissioning and testing (including Replacing the existing Cabinet with the new Cabinet with complete rearrangement, excluding any new patch cords)	1	

Notes:  
The Structured Cabling approved brands are Systimax, R&M, 3M, Norden

*K.W. Baratsala*



www.esma.ae





<b>BX-Gammon JV</b>		<b>Request for Source Approval</b> <b>Material &amp; Supplier Record</b>		<b>Record No.</b> <b>BX-Gammon JV/</b>	
<b>Contract: BENAZIR BHUTTO INTERNATIONAL AIRPORT PROJECT</b>				<b>No. BX-Gammon JV/02E-510</b>	
<b>To: Mr Martin Colin Conisbee</b> <b>Project Manager/Engineer Representative</b> <b>Project Management Consultant</b> <b>Islamabad</b>					
<b>Contract Ref: Package: 8C-1 ATC COMPLEX &amp; FCR BUILDING</b>					
<b>Material Description/Proposed Use:</b> <b>" STRUCTURED CABLING NETWORK"</b>					
<b>Supplier's Name &amp; Address:</b> <b>Enterprise Solution Pakistan.</b> <b>36-A/G4, Johar Town, Lahore, Pakistan.</b> <b>Ph: +92-42-5290339-40, Fax: +92-42-5315438</b>					
<b>Source: (e.g. Quarry, Plant, Manufacturer):</b> <b>3-M, Norden, LINKSYS</b> <b>United Kingdom (UK)</b>					
<b>Comments/Reference: BOQ. 02-56E to 02-68E</b> <b>"Submitted for approval"</b>					
<b>Attachments (e.g. Sample, Technical Data, Certificate):</b> 1. Broachers. 2. Data Sheet					
<b>Compliance with the contract requirement and design information verified by BX-Gammon JV:</b>					
Signature		Name	Zou Renlai Acting Project Manager	Date	09-10-2012
<b>Compliance with the contract requirement and design intent verified by:</b>					
Signature		Name		Date	
<b>Comments:</b> <i>Note - Follow the specification and BOQ must be consider</i> <i>Approved</i> <i>17/12/2012</i>					
<b>Internal distribution completion:</b>					





		DESIGN & BUILD OF EXTENSION OF GLENELG SCHOOL AT RUWAIS			
PROJECT NO. 7005 AGREEMENT NO. 147005C1					
MATERIAL APPROVAL REQUEST (MAR)					
Serial No.	E 0 0 1 9	Rev. No.	0 2	Date	01.05.2014
<input type="checkbox"/> Document Class		<input type="checkbox"/> First Submission		<input type="checkbox"/> Second Submission	
<input checked="" type="checkbox"/> Further Submission					
Material Description : STRUCTURE CABLING AND ACCESSORIES SYSTEM					
Trade Name		Manufacturer		Supplier	
STRUCTURE CABLING AND ACCESSORIES SYSTEM		NORDEN		ALYOUSUF	
				ADNOC Reg. No.	
				Pre Registration	
Specification requirement detail	Technical Specifications:			Telephone system 271100	
Location / Area of use	ALL AREA				
Technical detail	As attached				
Attachments:					
1	Specification Comparison Sheet	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	NA
2	Sample	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	NA
3	Original Catalogue	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	NA
4	Sustainability Compliance Statement	<input type="checkbox"/>	Yes	<input checked="" type="checkbox"/>	NA
				5 Other supporting documents (list)	
				1. Pre-Registration	
NA :- Not applicable					
Notes/Comments:- <i>PreQualification of M/s Al Yousuf is approved with DTF # 0481 and cost value is included in it.</i>					
For CONTR. AMANA - PROJECT MANAGER Name : <u>ABDO MICHEAL MERHEB</u>		Signature:		Date: 01.05.2014	
For ADNOC		<input type="checkbox"/> A Accepted		<input checked="" type="checkbox"/> B Accepted subject to comments	
				<input type="checkbox"/> D Not accepted	
Comments:					
<ul style="list-style-type: none"> <li>➤ All indoor cables, Patch Cords and Pigtails shall be LSZH Types.</li> <li>➤ Subject to ETISALAT and IS&amp;T Approval.</li> <li>➤ Certificate of Origin shall be provided.</li> <li>➤ Refer to comments as marked on the submittal, material data sheet and on Sample Board.</li> </ul>					
Name: <u>JAMAL YOUSEF ABUKOU</u> PROJECT MANAGER		Signature:		Date: 08 MAY 2014	



بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ		
DATE:	7-May-14	التاريخ:
PERMIT #	PS-130386-PA	رقم الطلب:
		<b>وزارة الداخلية</b> <b>الإدارة العامة للدفاع المدني</b> <b>إدارة الوقاية</b>
<b>TECHNICAL REPORT</b>		التقرير الفني لمعدات الإطفاء والسلامة
PRODUCT:	POWER-LIMITED FIRE ALARM CABLE	المنتج:
PRODUCT APPLICATION:	FIRE DETECTION & ALARM SYSTEM	تصنيف المعدة:
APPLICANT / P.O. BOX	ELECTRA AL SHAGRAIRI TRADING & CONTRACTING WLL	مقدم الطلب/صندوق البريد:
MANUFACTURER / LOCATION:	NORDEN COMMUNICATION UK LTD / UK	الشركة المصنعة:
PRODUCT/MODEL	TYPE(S) FPLR, POWER LIMITED FIRE PROTECTIVE CABLE	قائمة المنتجات:
3RD PARTY CERTIFICATE / APPROVAL	UL CERTIFICATION # HNIR.E465991	شهادات المختبرات المساندة (من هيئات معتدة):
<b>RECOMMENDATIONS</b>		<b>التوصيات</b>
<p>The QCDD has reviewed the submission of the above mentioned applicant and finds NO OBJECTION to the sale and use of the fire safety product/equipment herein stated, whose authenticity was supported by the applicant's submission of its 3rd Party test/approval certifications. The authority of this approval extends up to the installation of this product which shall be performed only by competent person/technician duly certified by the QCDD. The product shall bear the mark of the certifying body and shall be verified by the engineer prior to installation. This product approval is valid up to <b>one year</b> (1) year from the date of issue.</p>		
<b>MANUFACTURER NAME / LOGO &amp; UL</b>		
<b>ENGINEERS</b>		<b>المضابط المختصين</b>
<b>المهندسين</b>		<b>OFFICERS</b>
 		





**بسم الله الرحمن الرحيم**



وزارة الداخلية  
الإدارة العامة للدفاع المدني  
إدارة الوقاية

التاريخ: 04/06/2014  
 الموافق: 06/08/1435  
 رقم الطلب: 130386

**ترخيص الإدارة العامة للدفاع المدني**

نوع الترخيص	جديد - تأهيل الشركات والمؤسسات العاملة في مجال الإطفاء والحريق	رقم الترخيص	17093000260000
رقم رخصة البناء	31342	التاريخ	2014/05/07
اسم المرخص له	محمد راشد جبر الشقيري المهدي	اسم المالك	0
الاسم التجاري	شركة الشقيري للتجارة والمقاولات (لبيكتر)	رقم السجل التجاري	26812
رقم الوحدة	0	هاتف المكتب	40016386 974+
الهاتف الجوال	55860913	رقم الفاكس	44416511 974+
صندوق البريد	0	البريد الإلكتروني	mnharis77@hotmail.com

رقم المنطقة:	17	رقم الشارع:	930	اسم الشارع:	شراحوه
رقم قطعة الأرض:	26	رقم المبنى:			

تفاصيل الترخيص  
تمت الموافقة على المنتج ( POWER-LIMITED FIRE ALARM CABLE ) وذلك حسب التقرير الفني المرفق الصادر بتاريخ 2014/05/07 والمرفق طيه صورة منه

ملاحظة:  
( يرجى الاطلاع على الاشتراطات في خلف الشهادة والالتزام بها )

تاريخ إصدار الترخيص: 2014/06/04  
 توقيع الضابط المختص:   
 إدارة الوقاية

تاريخ انتهاء الترخيص: 2016/06/04  
 توقيع مدير إدارة الوقاية:   
 الإدارة العامة للدفاع المدني



### إشتراطات :

- ضرورة مراجعة إدارة الوقاية بالدفاع المدني عند استيراد المنتج لاعتماد البيان الجمركي.
- يجب الالتزام بمطابقة المنتج لجميع المواصفات الواردة في التقرير المفصل المرفق بشهادة عدم الممانعة.
- على الشركة استيراد المنتجات من البلد الصنع المذكور في التقرير الفني المرفق مع الشهادة و في حالات استيراد المنتج من مصدر اخر فعلى الشركة تقديم المستندات اللازمة من الهيئة المختبرية للتأكد من جودتها
- في حالة اكتشاف عيوب فنية وتكرارها بأكثر من منتج سيتم إلغاء الموافقة الممنوحة باستيرادها مع إرفاق التقارير الفنية لإدارة الوقاية المثبتة لذلك
- ان يحمل علامة الجودة الخاصة بالمختبر المذكور في التقرير الفني المرفق
- يجب استخدام المنتج بالطريقة السليمة كما هو موضح في كتالوج المصنع
- يجب إبلاغ ادارة الوقاية بالمشاريع التي ستستخدم فيها المشروع المذكور في الشهادة
- مخالفة الملاحظات السابقة تعرض الشركة للمسائلة واتخاذ الإجراءات القانونية ضدها .





SADIYAT ISLAND RESORT DEVELOPMENT PROJECT

SHEIKH SUROOR PROJECTS DEPARTMENT

**ELECTRICAL ITEMS VENDOR LIST**

Sr Nr	Item Description	Make	Country of Origin	Make	Country of Origin	Make	Country of Origin	Make	Country of Origin	Make	Country of Origin	Make	Country of Origin
17	Fire Resistant Cable	FP 200-Perelli	UK	Ducab	UAE	Draka	UK						
18	Lighting Control System	Lutron	Europe	Helver	Europe	Dynalite	Australia	ABB	Germany	Schneider	Germany		Germany
19	GRMS	Jung	Germany	Messerschmitt	Germany	ABB	Germany	Schneider	Germany	Intarel	Italy		
20	Access Control	Maxxess	USA	RBH	Canada	Meditec	Germany	Siemens	Germany				
21	MATC/SMARTV	Hershman	Germany	Catherine	Germany	Traix	Denmark	Alcad	Spain	Televés	Spain		
23	CCTV (complying with latest MOI guidelines)	Sony	Japan	Pelco	USA	Bosch	Netherlands	Santec	Germany				
24	PA System	Bose	Mexico	Phillips	Holland	Dynacord	Germany						
25	Video Intercom	ABB	Germany	Fermax	Italy	Comelit	Italy	Terrane	Italy				
26	Structured Cabling	Systemax	USA	Norden	UK	Legrand	UK	Schneider	France	Balden	UK/USA		
27	WiFi	Rukus	USA	Aruba	USA	Xirrus	USA						
28	IPTV	Ascentic		VDA	Televís	Spain							
	BMS	Johnson Control	USA/Mexico	Siemens	Europe	Honeywell	USA						
29	Active Components (only Enterprise/Management type)	HP		Avaya		Brocade							
30	Gate Barriers	ELKA	Germany	ADT	UK	Newgate	UK	Gunnebo	France	Federapo	UK		
31	AV System	Bose	Mexico	Phillips	Holland	Sony	Japan						
	UPS	Liebert	UK	Chloride	Italy	GE	Italy						
	Central Battery System	Seag	Germany	JSB	Germany								




**MATERIAL APPROVAL SHEET**

Project : CONSTRUCTION, COMPLETION AND MAINTENANCE OF 10 CLASSROOMS FALAJ AL SADEREEN  
 Tender No : GIRLS BASIC EDUCATION (1-10) AT AL NADHAH, WILAYAT YANQUL, DHAHIRA SOUTH.

Contractor : M/s. SAID ABDULLA SAID AL RASHDI TRDG & CONTG Manufacturer (Local Only) M/S. Norden/Juniper  
 MAS No : EM-24 Supplier:(GCC or Foreign)\*\* M/S. Tomorrow Technical Investmen  
 MAS Name : COMPUTER NETWORK Time Required at Site : DAYS  
 BOQ Ref. : 2/95,2/96,2/97,2/98,2/99,2/100 B.S. Ref. :

Spec. Ref. : Sample Attached :  Yes  No  
 Drg. Ref. : Certificate Attached :  Yes  No  
 Assurance of Delivery on time :  Yes  No

Remarks :   
 Signature : \_\_\_\_\_ Date : 20.02.2012

ENGINEER : IBN BAHLA ENGINEERING CONSULTANTS

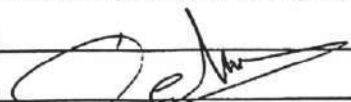
Above information given by Contractor Correct  Yes  No

Required Informatio 1) \_\_\_\_\_  
 2) \_\_\_\_\_  
 3) \_\_\_\_\_

Material :  Recommended  Rejected  
 Recommended with Comments : *As per spec. BOQ approval shg days*

(IN CASE PRODUCT RECOMMENDED IS NON-OMANI) Give Reason :

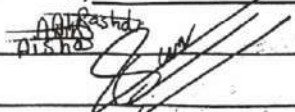
We confirm that there is no local manufacturer available for the proposed product, and no alternate local product can meet the requirement for the duty conditions in Oman.

Signature :  Date : 20/2/12  
 Stamp : \_\_\_\_\_

EMPLOYEE : MINISTRY OF EDUCATION

Material :  Approved  Rejected  
 Approved with Additional Comments

Comments : 1) The previous proposal submitted by SAAD Alwada  
 2) Company is canceled.  
 3)

Signature :  Date : 26/2/2012  
 Stamp : \_\_\_\_\_

\*\* This will only be considered if local manufacturer for the specified or alternate product is not available .





**MATERIAL APPROVAL SHEET**

Project : CONSTRUCTION . COMPLETION AND MAINTENANCE OF 16 CLASSROOMS HAAT MIXED BASIC  
 Tender No : EDUCATION SCHOOL AT HAAT, WILAYAT AL RUSTAQ.

Contractor : M/s.SAID ABOULLA SAID AL RASHDI TRDG & CONTG  
 MAS No : EM-22  
 MAS Name : COMPUTER NETWORK  
 BOQ Ref. : 2/82,2/83,2/84,2/85-A,B,C,D,3/38-A,B,4/42-  
 Spec. Ref. : N/8,N/9,N/10  
 Drg. Ref. :  
 Manufacturer (Local Only) : M/S. Norden / Huawei  
 Supplier:(GCC or Foreign)\*\* : M/S. Tomorrow Technical Investment  
 Time Required at Site : \_\_\_\_\_ DAYS  
 B.S. Ref. :  
 Sample Attached :  Yes  No  
 Certificate Attached :  Yes  No  
 Assurance of Delivery on time :  Yes  No

Remarks : CATEGORY 6, (AS PER BOQ & DRAWING)

Signature : *Hassan Ali Eid*

Date : 29.07.2012

ENGINEER : HASSAN ALI EID ENGINEERING CONSULTANCY

Is the information given by Contractor Correct  Yes  No

Required Informatic: 1) Subject to install as per MOE specification and approved working drawings.  
 2) \_\_\_\_\_  
 3) \_\_\_\_\_

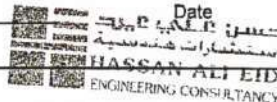
Material :  Recommended  Rejected

Recommended with Comments : Equipments and components should be matched with BOQ reference.

(CASE PRODUCT RECOMMENDED IS NON-OMANI) Give Reason :

I confirm that there is no local manufacturer available for the proposed product, and no alternate local product can meet the requirement for the duty conditions in Oman.

Signature : *Hassan Ali Eid*  
 Date : 30-07-2012



EMPLOYEE: MINISTRY OF EDUCATION

Material :  Approved  Rejected  
 Approved with Additional Comments

Comments: 1) \_\_\_\_\_  
 2) \_\_\_\_\_  
 3) \_\_\_\_\_

Signature : \_\_\_\_\_

Stamp : \_\_\_\_\_



*[Signature]*  
 4/8/12

Date : 1/8/2012

\*\* This will only be considered if local manufacturer for the specified or alternate product is not available .





**MATERIAL APPROVAL SHEET(MAS)**

**Project** : Addition of 22 CRMS & Associated Facilities to Al Ayoun Boys School at Sinaw  
 Wilayat Al Mudhahbi , Sharqiya North Region.  
**Tender No.** : 112/2011

**CONTRACTOR** : Bin Abdul Razaq Al Ghailani Trad. & Cont.

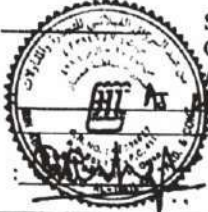
*NORDEN, HU WUWEI*

MAS No. : E-34 Manufacturer(Local Only) : \_\_\_\_\_  
 MAS Name : COMPUTER NETWORK Supplier(GCC or Foreign)\* : TOMORROW TECH INVESTMENTS  
 BOQ Ref. : 68/E/20-22 Time Required at Site : 60 DAYS  
 Spec. Ref. : \_\_\_\_\_ B.S. Ref. : \_\_\_\_\_

Drg.Ref : \_\_\_\_\_  
 Sample Attached :  Yes  No  
 Certificate Attached :  Yes  No  
 Assurance of Delivery at Time:  Yes  No

REMARKS : As attached details.

Signature : \_\_\_\_\_ Name : A. Mohamed Refek Date : 18/11/12



**ENGINEER:** Al-Meedania Engineering Consultancy

Above Information given by the Contractor is Correct :  Yes  No

Required Information : 1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_

MATERIAL : Recommended  / Rejected   
 Recommended with comments : \_\_\_\_\_

*Am*  
4/11/2011  
Subject to final testing, Commissioning and approval by Council EE/IT Dept.

Signature : \_\_\_\_\_ Name : \_\_\_\_\_ Date : \_\_\_\_\_

**IN CASE THIS PRODUCT RECOMMENDED IS NON-OMANI. Give Reason**  
 We confirm that there is no local manufacturer available for the proposed product, and no alternate local products conform to the requirement for the duty conditions in Oman.

Signature : \_\_\_\_\_ Name : \_\_\_\_\_ Date : \_\_\_\_\_

Stamp : \_\_\_\_\_

**EMPLOYER** : Ministry Of Education

Material : Approved  / Rejected

Approved with Additional Comments : 1. You should follow the BOQ either using cat 6 or cat 6A cable  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_

Signature : \_\_\_\_\_ Name : A. Al-Amer Date : 1/12/2012

Stamp : \_\_\_\_\_  
 \*This will be considered if local manufacturer for the specified or alternate product is not available.







**MATERIAL APPROVAL SHEET(MAS)**


**Project** : Construction of Additional 7 CRMS & Associated Facilities to Qutaiba Bin Muslim Boys Basic Educational School(5-12) at Al Kamil, Wilayat Al kamil Al Wafi  
**Tender No.** : 109/2011

**CONTRACTOR** : Bin Abdul Razaq Al Ghafhani Trad. & Cont. NORDEN / HUAWEI

MAS No. : E-34 Manufacturer(Local Only) : \_\_\_\_\_  
 MAS Name : COMPUTER NETWORK Supplier(GCC or Foreign)\* : TOMORROW TECH. INVESTMENT.  
 BOQ Ref. : GB/E/20-23 Time Required at Site : 60 DAYS  
 Spec. Ref. : \_\_\_\_\_ B.S. Ref. : \_\_\_\_\_

Drg Ref : \_\_\_\_\_  
 Sample Attached :  Yes  No  
 Certificate Attached :  Yes  No  
 Assurance of Delivery at Time:  Yes  No

REMARKS : As per attached details

Signature :  Name : A. Mohamed Rajab Date : 18/11/12

**ENGINEER: Al-Meeqania Engineering Consultancy**  
 Above Information given by the Contractor is Correct :  Yes  No

Required Information : 1. \_\_\_\_\_  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_

MATERIAL : Recommended  / Rejected   
 Recommended with comments : \_\_\_\_\_

subject to final testing, commissioning and approval by EE/IT Dept.



Name : \_\_\_\_\_ Date : \_\_\_\_\_


**IN CASE THE PRODUCT RECOMMENDED IS NON-OMANI. Give Reason**  
 We confirm that there is no local manufacturer available for the proposed product, and no alternate local product can meet the requirement for the duty conditions in Oman.

Signature : \_\_\_\_\_ Name : \_\_\_\_\_ Date : \_\_\_\_\_

Stamp : \_\_\_\_\_

**EMPLOYER : Ministry Of Education**

Material : Approved  / Rejected   
 Approved with : the type of cable cat6 or cat6A should follow the BOQ  
 Additional Comments : \_\_\_\_\_

Signature :  Name : Iman Al Rajhi Date : 4/12/2012

Stamp : \_\_\_\_\_  
 \*This will be considered if local manufacturer for the specified or alternate product is not available.



**MATERIAL APPROVAL SHEET**

Project : CONSTRUCTION OF ADDITIONAL SIXTEEN CLASSROOMS AND ASSOCIATED FACILITIES TO  
 Tender No : AL BARA'A BIN AZEB BOYS PREPARATORY SCHOOL (1-4) AT QAFIFA, IBRA.

Contractor : M/s SAID ABDULLA SAID AL RASHDI TRDG & CONTG Manufacturer (Local Only) M/S. Norden / Huawei  
 MAS No : E-12 Supplier: (GCC or Foreign)\*\* M/S. Tomorrow Technical Invest  
 MAS Name : COMPUTER NETWORK Time Required at Site : DAYS  
 BOQ Ref. : SB/E/19-G,H,I,J,SB/E/20,21,22 B.S. Ref. :  
 Spec. Ref. : Sample Attached :  Yes  No  
 Drg. Ref. : Certificate Attached :  Yes  No  
 Assurance of Delivery on time :  Yes  No

Remarks : CATEGORY 6 (AS PER BOQ & DRAWING)

Signature :  Date : 12.01.2013

ENGINEER : AL MEEDANIA ENGINEERING CONSULTANCY

Above information given by Contractor Correct  Yes  No

Required Informatic 1) \_\_\_\_\_  
 2) \_\_\_\_\_  
 3) \_\_\_\_\_

Material :  Recommended  Rejected  
 Recommended with Comments :

*subject to final testing  
 commissioning and acceptance by  
 MOE / IT wing also.*

(IN CASE PRODUCT RECOMMENDED IS NON-OMANI) Give Reason :

We confirm that there is no local manufacturer available for the proposed product, and no alternate local product can meet the requirement for the duty conditions in Oman.

Signature : \_\_\_\_\_ Date : \_\_\_\_\_

Stamp : \_\_\_\_\_

EMPLOYEE: MINISTRY OF EDUCATION

Material :  Approved  Rejected  
 Approved with Additional Comments

Comments : 1) \_\_\_\_\_  
 2) \_\_\_\_\_  
 3) \_\_\_\_\_

Signature :  Date : \_\_\_\_\_

Stamp : 

\*\* This will only be considered if local manufacturer for the specified or alternate product is not available .



**MATERIAL APPROVAL SHEET**

Project : 2012 ADDITIONS-SHARQIYA NORTH GOVERNORATE-PROPOSED CONSTRUCTION OF DIFFICULTY  
 Tender No : ROOM,SPECIAL ACTIVITY ROOM, 3 IN 1 MULTI-PLAY COURT AND CONVERSIONS TO ABDULLAH BIN  
 ZAIID BOYS BASIC EDUCATION SCHOOL (5-10) AT WILAYAT IBRA  
 Contractor : M/s.SAID ABDULLA SAID AL RASHDI TRDG & CONTG Manufacturer (Local Only) M/S. Norden / Huawei  
 MAS No : EM-01 Supplier:(GCC or Foreign)\*\* M/S. Tomorrow Technical Investmen  
 MAS Name : COMPUTER NETWORK Time Required at Site : DAYS  
 BOQ Ref. : AS APPLICABLE B.S. Ref. :

Spec. Ref. : Sample Attached :  Yes  No  
 Drg. Ref. : Certificate Attached :  Yes  No  
 Assurance of Delivery on time :  Yes  No

Remarks : CATEGORY - 3A (SAND BOG & DRAWING)

Signature :  Date : 06.02.2013

ENGINEER : MINISTRY OF EDUCATION

Above information given by Contractor Correct  Yes  No

Required Informatic 1) \_\_\_\_\_  
 2) \_\_\_\_\_  
 3) \_\_\_\_\_

Material :  Recommended  Rejected  
 Recommended with Comments :

(IN CASE PRODUCT RECOMMENDED IS NON-OMANI) Give Reason :

We confirm that there is no local manufacturer available for the proposed product, and no alternate local product can meet the requirement for the duty conditions in Oman.

Signature : \_\_\_\_\_ Date : \_\_\_\_\_

Stamp : \_\_\_\_\_

EMPLOYEE : MINISTRY OF EDUCATION

Material :  Approved  Rejected  
 Approved with Additional Comments

Comments : 1) \_\_\_\_\_  
 2) \_\_\_\_\_  
 3) \_\_\_\_\_

Signature :  Date : 2/9/2013

Stamp : 

\*\* This will only be considered if local manufacturer for the specified or alternate product is not available .





**MATERIAL APPROVAL SHEET (MAS)**

**ADDITION 2012-( FATHIMA BINT QAIZ GIRLS EDU. SCHOOL,IBRI,DHAHIRA GOVERNORATE**

**CONTRACTOR: AL MAHMOOD TRADING & CONTRACTING CO.**

MAS No: E- NET 22  
 Manufacturer : NORDEN, U K  
 Supplier: (Local Only) : Tomorrow Technical Investment  
 Time required at site : ONE WEEK  
 MAS Name: NORDEN ACCESSORIES  
 B.S. Ref. :  
 BOQ Ref. :  
 Spec. Ref. :  
 Drg. Ref. :  
 Sample attached : ( ) Yes ( ) No  
 Certificate attached : ( ) Yes ( ) No  
 Assurance of Delivery :  
 On time : ( ) Yes ( ) No

Remarks: .....

Signature: ..... Date: 09-06-2013



**CONSULTANT :**

Above information given by Contractor is correct ( ) Yes ( ) No  
 Required information:

- 1) .....
- 2) .....
- 3) .....

Material Recommended ( ) Rejected ( )

Material recommended with comments: .....

(IN CASE PRODUCT RECOMMENDED IS NON-OMANI) Give Reason  
 We confirm that there is no local manufacturer available for the proposed product, and no alternate local product  
 Can meet the requirement for the duty conditions in Oman.

Signature: ..... Date: .....

Stamp: .....


**CLIENT : MINISTRY OF EDUCATION .SULTANATE OF OMAN..**

Material Approved ( ) / Rejected (✓)

Material Approved with additional comments: .

Comments: ..... only rejected

*As Commented. 12/6/13*

Signature: .....  


Date: 10/6/2013



**MATERIAL APPROVAL SHEET (MAS)**

Project: 14 Class Rooms Girls Basic Education School (5-12) at Qaifhat, Sur

Contractor: Mansoor Al Masroory Trading Manufacture (Local Only): CISCO / NORDEN

MAS No: EL-1921 Supplier (GCC / Foreign): TOMBAROWI TECHNICAL INVESTMENT

MAS Name: DATA SYSTEM Time Required at site: 15-03-2014

BOQ Ref: 2/93 to 2/96 B S Ref: \_\_\_\_\_

Spec Ref: N8 to N80 Sample Attached:  Yes  No

Dwg Ref: EL-4 ; EL-8 Certificate Attached:  Yes  No

Remarks: \_\_\_\_\_ Assurance of delivery on time:  Yes  No

Signature: [Signature] Date: 27-02-2014

Engineer: \_\_\_\_\_

Above information given by Contractor Correct  Yes  No

Required information

- Subject to install as per M&E specifications
- and approved working drawings.
- \_\_\_\_\_

Remarks:  Recommended  Rejected

Recommended with comments: Incorporates the given comments on the original schedule sheet. Date: \_\_\_\_\_

REASON FOR NON OMANI PRODUCT:-  
We confirm that there is no local manufacturer available for the proposed product and no alternate local product can meet the requirement for the duty conditions in Oman.

Signature: [Signature] Date: 03-03-2014

**HASSAN ALI EID**  
ENGINEERING CONSULTANCY

Employer: **MINISTRY OF EDUCATION**

Remarks:  Approved  Rejected

Approved with additional comments: \_\_\_\_\_

Comments:

- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

Signature: [Signature] Date: 23/3/2014

\* This will only be considered if local manufacturer for the specified or alternate product is not available









Employer: 	Consultant: <b>RMJM</b> P.O. Box 6126 Dubai, United Arab Emirates	Main Contractor: <b>AL ROSTAMANI PEGEL L.L.C.</b> P.O. Box. 28649, Dubai, UAE
Project: <b>AVIATION CLUB HOTEL</b> <span style="float: right;">388</span>		
<b>Material Submittal</b>		ARP Ref. No: <b>P054/MO/4.06/A/308</b> Subcon Ref. No: <b>MS.OMN.ACH.SCN.61.1</b>
Originator of the Submittal: <b>Omnix International LLC</b>	Date: <b>22 February 2010</b>	<b>List of Enclosure</b> <input type="checkbox"/> Vendor's Technical Literature <input type="checkbox"/> Compliance Statement <input type="checkbox"/> Previous Test Results <input type="checkbox"/> Copy of the related specifications <input type="checkbox"/> Samples <input type="checkbox"/> List of previous projects done <input type="checkbox"/> Others [Please specify]:
Authorized Signature:	Req. By:	
<b>Material Details</b>	Trade: <b>ELV</b>	
Item Description: <b>Typical Structured Cabling Main Rack &amp; Units</b>	Specification Reference: <b>651 Structured Cabling construction</b>	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <b>RMJM - DUBAI</b>  <b>NO OBJECTION</b>                      Proceed with construction                      See attached BOQ                      For RMJM  Date: <b>09/3/10</b> </div>
BOQ Reference:	Drawing Reference: <b>OMN-ACH-SCN-BOQ-01</b>	
Material Specified: <b>651-0400 to 651-0403</b>	Material Proposed: <b>See attached BOQ</b>	
Manufacturer / Supplier: <b>Norden</b>	Reason for Alternative:	
Remarks: <b>RMJM "no objection" does not relieve the Contractor of his responsibilities under the contract.</b>	Main Contractor Statement: We certify that the material submitted has been reviewed in detail and in compliance with the contract drawings and specifications except as otherwise stated hereabove.	
Main Contractor Signature:	Date: <b>27-02-2010</b>	
RMJM Received:	Date:	
<b>Action</b> <input type="checkbox"/> A - No Objection <input checked="" type="checkbox"/> B - No Objection With Comments <b>RESUBMIT</b> <input type="checkbox"/> C - Objection <input type="checkbox"/> IR - Incomplete, Resubmit <input type="checkbox"/> Others		
<b>RMJM Engineer's Comments:</b> (*) CAT-3 CABLE SHALL BE 'LSOH' OUTER SHEATH AS PER SPECIFICATION. THE PROPOSED PVC OUTER SHEATH IS NOT ACCEPTABLE. (1) PROPOSED FIBER CABLE DOES NOT MEET THE PROTECT SPECIFICATION, IN POINT 'CRUSH' WHICH SHOULD BE AVOID. THE OUTER JACKET SHOULD BE AS PER BSI-0610 SPEC. CLAUSE. (2) ENSURE FULL COMPLIANCE OF SPECIFICATION AND ETIBRAT STANDARDS. (3) REFER ATTACHED Dwg. FOR REVIEW NOTES. (4) REQUIRED MATERIAL ON-TAKE-OFF TO COMPLETE THE WORKS WILL BE THE CONTRACTOR'S RESPONSIBILITY OF THE CONTRACTOR.		
RMJM Engineer's Signature:	Date:	
<b>RMJM Resident Engineer's Comments:</b> <div style="text-align: right;">14 MAR 2010</div>		
RMJM Resident Engineer's Signature:		
Date:		
TO: <b>OMNIX</b> ACTION: <input type="checkbox"/> INITIAL: <input type="checkbox"/> DATE: <input type="checkbox"/> GATE: <input type="checkbox"/> RECEIVED <b>14 MAR 2010</b> RECEIVED <b>28 FEB 2010</b> RMJM		

13 MAR 2010



	Reference No / المرجع رقم <b>MTS E 22A</b>	UAE ARMED FORCES COMMAND OF MILITARY WORKS		القوات المسلحة لدولة الإمارات العربية المتحدة قيادة الأشغال العسكرية	
	Rev / المراجعة <b>00</b>	Date / التاريخ <b>26-Jan-14</b>	<b>تقديم المواد</b>		
<b>MATERIAL SUBMITTAL</b>					
CMW-11121-C001-MTS-E-22A		Full / مرجع الوثيقة الكامل	C001 - 11121	رقم المشروع Project No.	
CMW-11121-C001 ( DIFFERENT FACILITY @ LIWA AIR BASE )					
Project / Contract Name					
COMMAND OF MILITARY WORKS		To / إلى	CAPRIOLE CONSTRUCTION CO L.L.C		
من					
VOICE & DATA			SUBMITTAL TITLE		
A	منطقة Zone	مستوى التطبيق F. Level	ALL	المنشئ Facility	
بوابة Gateway	04 00 00	CSI ID	CMW-11121 6.10	التخصص Discipline	
Alternative (attach support documents) (بدل) (رقم الوثائق الداعمة) <input type="radio"/>		Complies with Contract documents <input checked="" type="radio"/>		المطابقة Compliance	
Not Provided <input type="radio"/>		Provided <input type="radio"/>		عينة Sample	
رقم جدول المواصفات / المخططات Ref to BOQ / Specs / Dwgs	الحالة Status	الشرح الكامل / الأحجام / التفاصيل Full Description / Sizes / Details		رقم Ser.	
One Original + One Copy of The Submittal	1	NORDEN - UK		1	
Previous Approval copy of CMW Projects	2	SUPPLIER.: M/S.NORDEN COMMUNICATION MIDDLE EAST Tel.: 06-52625		2	
	3	OPTERNA-UK ,M/S.OPTERNA Middle East Fz Co TEL.: 4 2997676		3	
		INFINIQUE-CANADA, M/S.INFINIQUE TEL.:06-5579447			
يجب على المقبول أن يشهد بأن كل المعلومات التي أصدرت تحت هذا التقديم قد تم مراجعتها والتحقق منها ووجدت مطابقة مع وثائق العقد ما لم يتم التمسك بخلاف ذلك.					
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.					
Issuer 26-Jan-14 Date		التوقيع Eng. Shawqi Yousef Name			
<b>SUBMITTAL REVIEW &amp; COMMENTS</b>					
Discipline Engineer: (RE, ARE, ME, EE, HSE, ...) Comments: ملاحظات المهندس المتخصص - م. الموقع - مساعد م. الموقع - ميكانيكا - م. الكهرباء - مرافق السلامة					
التاريخ Date		التوقيع Signature			
ملاحظة المهندس المعتمد Resident Engineer Comments		الاسم Name			
مخصصة لمشروع Escalate to CMW PM		مخصصة لمشروع الاستشاري Escalate to Consultant PM			
Approved as per attached list 26-1-2014 التاريخ Date		التوقيع Signature			
ملاحظات مدير المشروع: (يفتح لتحريره إذا تم الإشارة على المربع المخصص أعلاه بالتشخص ذات الصلة)					
التاريخ Date		التوقيع Signature			
الموافقة Code D = REJECTED <input type="checkbox"/>		تراجع و بعد تقديمه Code C = REVISE & RESUBMIT <input type="checkbox"/>		موافق مع الملاحظات Code B = NO OBJECTION AS NOTED <input type="checkbox"/>	
الموافقة Code A = NO OBJECTION <input checked="" type="checkbox"/>		موافق Review Status (by Final Approver)			
التاريخ Date		التوقيع Signature			
<b>FOR THE CONTRACTOR</b>					
التاريخ Date		التوقيع Signature			



		Reference No / رقم المرجع <b>MTS E 0033</b>	UAE ARMED FORCES <b>COMMAND OF MILITARY WORKS</b>		القوات المسلحة لدولة الامارات العربية المتحدة قيادة الأشغال العسكرية	
Rev / نسخة <b>00</b>		Date / التاريخ <b>05-Mar-13</b>		تقديم الممواد <b>MATERIAL SUBMITTAL</b>		
CMW-10043-C002-MTS-E-0033		Full	مرجع الوثيقة الكامل Document Reference	C002	10043	رقم المشروع Project No.
CMW-10043-C002 ( DIFFERENT FACILITY @ AL Taweela )						اسم المشروع / العقد Project / Contract Name
COMMAND OF MILITARY WORKS			To إلى	CAPRIOLE CONSTRUCTION CO L.L.C		From من
VOICE & DATA COMPONENT ( As per Attached List of the Material )						SUBMITTAL TITLE
منطقة Zone		مستوى الطابق F. Level		2,3,4,5,7,8,9,10,11 & 12		المنشئ Facility
بوابة Gateway		26 00.00	CSI ID CMW.1.10043.6.35	WBS ID E	التخصص Discipline	
Alternative (attach support documents) / بديل (إرفاق الوثائق الداعمة)						<input checked="" type="radio"/> Complies with Contract documents / موافقة مع وثائق العقد
Not Provided / لم يقدم						<input type="radio"/> Provided / قدمت
رقم جنول الكميات / المواصفات / الملاحظات Ref to BOQ / Specs / Dwg's		الحالة Status	الشرح للكميل / الأجزاء / التفاصيل Full Description / Sizes / Details			رقم Ser.
One original + One copy of The Submittal		1	Proposal :1- Norden - UK Norden Communication Middle East Tel : 06-5262516			1
One copy of the BOQ specification		2	Proposal :2- Opterna - Eroup Opterna Middle East Fz Co Tel: 04 2997676			2
One copy of the previous Approval		3	Proposal :3- Infinique - USA Infinique EMEA FZC Tel: +9716-557-9447			3
يجب على المقاول أن يثبت أن كل المعلومات التي أصدرت تحت هذا التعميم قد تم مراجعتها والتحقق منها ووجدت مطابقة مع وثائق العقد ما لم يتم التأكيد على خلاف ذلك. The contractor certifies that the information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.						
المنشئ Issuer						
التاريخ / Date <b>05-Mar-13</b>		التوقيع / Signature Eng. Shawqi Yousef		الاسم / Name		
ملاحظات ومراجعة التقديم ملاحظات المهندس المتخصص / م. الموقع / مساعد م. الموقع / م. ميكانيكا / م. الكهرباء / مراقب السلامة Discipline Engineer (ME / ARE / ME / EE / HSE / ....) Comments:						
Handwritten notes and signatures in Arabic.						
ملاحظة المهندس المقيم Resident Engineer Comments		Handwritten comment: "Norden is approved as attached list"				
ملاحظات مدير المشروع (لا يملأ إلا في حالة الإحالة على المراجع المعني) Project Manager Comments: (to be filled ONLY if the escalation box above to the relevant person is Ticked)		Handwritten signature and date.				
الموافقة / موافق Code A = NO OBJECTION		موافق مع الملاحظات Code B = NO OBJECTION AS NOTED		تراجع و يعدل تقديمه Code C = REVISE & RESUBMIT		
مرفوض Code D = REJECTED		الموافقة / موافق Code A = NO OBJECTION				
FOR THE CONTRACTOR						
التاريخ / Date		التوقيع / Signature		الاسم / Name		





		Reference No رقم المرجع <b>MTS E 23a</b>		UAE ARMED FORCES COMMAND OF MILITARY WORKS		القوات المسلحة لدولة الامارات العربية المتحدة قيادة الأشغال العسكرية			
Rev الطبعة <b>00</b>		Date التاريخ <b>20-Oct-13</b>		تقديم المواد <b>MATERIAL SUBMITTAL</b>					
CMW-09003-C007-MTS-E-23a				مرجع الوثيقة الكامل Full Document Reference		C007 - 09003		رقم المشروع Project No.	
CMW-09003-C007 ( DIFFERENT FACILITY @ AL HAMRA )								اسم المشروع / العقد Project / Contract Name	
COMMAND OF MILITARY WORKS				To إلى		CAPRIOLE CONSTRUCTION CO L.L.C		From من	
VOICE & DATA FOR LIGHTING CONTROL SYSTEM								SUBMITTAL TITLE	
منطقة Zone		مستوى التطبيق F. Level		FAC-All		المنشئ Facility		التخصيص Discipline	
بوابة Gateway		CSI ID		CMW.1.09003.6.35		WBS ID		E	
رقم جدول الكميات / المواصفات / المخططات Ref to IQ / Specs / Dwgs		الحالة Status		الشرح الكامل / الأحجام / التفاصيل Full Description / Sizes / Details		رقم Ser.		المطابقة Compliance	
One Original + One Copies of The Submittal		1		Proposal:- Norden - UK		1		توافق مع وثائق العقد Complies with Contract documents	
Previous Approval copy of CMW Projects		2		Norden Communication Middle Est Tel.: 06-5262516, fAX.: 06-5262517		لم يقدم Not Provided		قدم Sample	
يجب على المقبول أن يشهد بأن كل المعلومات التي أصدرت تحت هذا التقديم قد تم مراجعتها والتحقق منها ووجدت مطابقة مع وثائق العقد ما لم يتم الترخيص بالبدائل.									
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.									
Issuer 20-Oct-13 Date		التوقيع Signature		Eng.Shawqi Yousef		Eng.Shawqi Yousef		المنشئ Name	
SUBMITTAL REVIEW & COMMENTS									
Discipline Engineer: (RE / ARE / ME / EE / HSE / .... ) Comments:									
ملاحظات المهندس المتخصص - م. الموقع / مساعد م. الموقع / م. ميكانيكا / م. الكهرباء / مراقب السلامة									
Approved as noted on the attached list									
Escalate to CMW PM		Escalate to Consultant PM		Resident Engineer Comments		ملاحظات المهندس المقيم		الاسم Name	
<input type="checkbox"/>		<input type="checkbox"/>		31/10/2013 Date		التوقيع Signature		ميلاد النور Name	
Project Manager Comments: (to be filled ONLY if the escalation box above to the relevant person is Ticked)									
الموافقة Date		التوقيع Signature		الموافقة Date		التوقيع Signature		الاسم Name	
Code D = REJECTED		Code C = REVISE & RESUBMIT		Code B = NO OBJECTION AS NOTED		Code A = NO OBJECTION		حالة المراجعة (من خلال أحد موافق) Review Status (by Final Approver)	
<input type="checkbox"/>		<input type="checkbox"/>		<input checked="" type="checkbox"/>		<input type="checkbox"/>		الاسم Name	
التاريخ Date		التوقيع Signature		التاريخ Date		التوقيع Signature		الاسم Name	
FOR THE CONTRACTOR									
Receiver STANIP		التاريخ Date		التوقيع Signature		التاريخ Date		الاسم Name	



	Reference No رقم المرجع	UAE ARMED FORCES القوات المسلحة لدولة الإمارات العربية المتحدة	
	MTS E 0031 التاريخ Date	COMMAND OF MILITARY WORKS قيادة الأشغال العسكرية	
Rev 00	11-Dec-12	<b>تقديم المواد</b> <b>MATERIAL SUBMITTAL</b>	
CMW-11006-C002-MTS-E-0031		مرجع الوثيقة الكامل Full Document Reference	C002 - 11006
رقم المشروع Project No.			
اسم المشروع / العقد Project / Contract Name			
CMW-11006-C002 ( DIFFERENT FACILITY @ AL HAMRA )			
COMMAND OF MILITARY WORKS		To	إلى CAPRIOLE CONSTRUCTION CO L.L.C
From		من عنوان التقديم SUBMITTAL TITLE	
<b>VOICE &amp; DATA COMPONENT</b>			
منطقة Zone	مستوى الطابق F. Level	FAC-1,2 & 4	
بوابة Gateway	CSI ID	WBS ID	E
26 00.00	CMW.1.11006.6.35		
Alternative (attach support documents) <input type="radio"/> Complies with Contract documents Not Provided <input checked="" type="radio"/> Provided		متوافقة مع وثائق العقد <input type="radio"/> Compliance قدمت <input type="radio"/> Sample	
رقم جدول الكميات / المواصفات / المخططات Ref to BOQ / Specs / Dwgs	الحالة Status	الشرح الكامل / الأبعاد / التفاصيل Full Description / Sizes / Details	رقم Ser.
One original + Two copy of The Submittal One copy of the BOQ specification One copy of the previous Approval	1	Proposal.: Norden - UK Voice & Data Component As per Attached List of the Material Supplier.: Norden Communication Middle Est Tel.: 06-5262516, Fax.: 06-5262517	1
يجب على المقاول أن يشهد بأن كل المعلومات التي أصدرت تحت هذا التقديم قد تم مراجعتها والتحقق منها ووجدت مطابقة مع وثائق العقد ما لم يتم التمسك بغيره. The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.			
Issuer Box: 81103, D 11-Dec-12	التوقيع Signature	Eng. Shawqi Yousef	Eng. Shawqi Yousef
<b>ملاحظات ومراجعة للتقديم</b> ملاحظات المهندس المتخصص - م. الموقع / مساعد م. الموقع / م. ميكانيكا / م. الكهرباء / مرآب السلامة ( RE / ARE / ME / EE / HSE / .... ) Comments:			
Disciplinary Engineer: (RE / ARE / ME / EE / HSE / .... ) Comments:			
ملاحظات المهندس المعتمد Resident Engineer Comments			
Approved as per attached list			
13/12/12			
ملاحظات مدير المشروع: (يفضل تعبئها إذا تم الإشارة على المربع المختص أعلاه بشخص ذات الصلة) Project Manager Comments: (to be filled ONLY if the escalation box above to the relevant person is Ticked)			
Code D = REJECTED <input type="checkbox"/> Code C = REVISE & RESUBMIT <input type="checkbox"/> Code B = NO OBJECTION AS NOTED <input type="checkbox"/> Code A = NO OBJECTION <input type="checkbox"/>			
حجة المراجعة (من خلال آخر موافق) Review Status (by Final Approver)			
FOR THE CONTRACTOR			
Receiver STAMP	التاريخ Date	التوقيع Signature	الاسم Name





	Reference No المرجع رقم	UAE ARMED FORCES COMMAND OF MILITARY WORKS	القوات المسلحة لدولة الامارات العربية المتحدة قيادة الأشغال العسكرية	
	MTS I 0001	القوى المسلحة لدولة الامارات العربية المتحدة قيادة الأشغال العسكرية	تقديم المواد MATERIAL SUBMITTAL	
Rev الطبعة	Date التاريخ			
00	9-Jan-13			
CMW-11064-C001-SCS-M-0001	مرجع الوثيقة الكامل	C001 -	11064	رقم المشروع Project No.
Full Document Reference		اسم المشروع / العقد Project / Contract Name		
(610405) اعمال إنشائية للمصكر رقم				
من	To	إلى	من	من
قيادة الأشغال العسكرية/شعبة إدارة المشاريع			الفلاح للإنشاءات ذ.م.م	
Submission Of Material Submittal For Structured Cabling System.		SUBMITTAL TITLE		
رأس الخيمة / سيج البناية	منطقة Zone	مستوى الطابق F. Level	ALL	المنشئ Facility
بوابة Gateway	02 50 00	CS1 ID	6.25	WBS ID
Alternative (attach support documents)	Complies with Contract documents	Compliance	Compliance	Discipline
Not Provided	لم تقدم	Provided	قدمت	Sample
رقم جدول الكميات / الموصفات / المسطحات Ref to BOQ / Specs / Dwgs	الحالة Status	الشرح الكامل / الأبعاد / التفاصيل Full Description / Sizes / Details	رقم Ser.	
		Global Integrated System - NORDEN, UK	1	
<p>يجب على المنقول أن يشهد بأن كل المعلومات التي أصدرت تحت هذا التقديم قد تم مراجعتها والتحقق منها ووجدت مطابقة مع وثائق العقد ما لم يتم التفتيش عليها أحدها بآنها بديل.</p> <p>The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.</p>				
Issuer	التاريخ Date	التوقيع Signature	الاسم Name	المنشئ Name
Issuer STAMP				الفلاح للإنشاءات ذ.م.م
SUBMITTAL REVIEW & COMMENTS				
ملاحظات ومراجعة التقديم				
ملاحظات المهندس المتخصص: م. الموقع / مساعد م. الموقع / م. ميكانيكا / م. الكهرباء / مراقب السلامة				
Discipline Engineer: (RE / ARE / ME / EE / HSE / .... ) Comments:				
الاسم Name	التوقيع Signature	التاريخ Date		
م. ملازم / أحمد الطيلي				
ملاحظات المهندس المقيم	التاريخ Date	التوقيع Signature		
مفصصة لمدير مشروع الأشغال Escalate to CMW PM	مفصصة لمدير مشروع الإستشاري Escalate to Consultant PM	Resident Engineer Comments		
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Approved		
الاسم Name	التاريخ Date	التوقيع Signature		
م. ملازم / أحمد الطيلي	9.1.2013			
ملاحظات مدير المشروع: (تتم تعبئته إذا تم الإشارة على المربع للمتخصص أحدها بالمتخصص ذات الصلة)				
الاسم Name	التاريخ Date	التوقيع Signature		
حالة المراجعة (من خلال آخر موافق)	موافق	موافق مع الملاحظات	براجع و يعاد تقديمه	مرفوض
Review Status (by Final Approver)	Code A = NO OBJECTION	Code B = NO OBJECTION AS NOTED	Code C = REVISE & RESUBMIT	Code D = REJECTED
الاسم Name	التاريخ Date	التوقيع Signature		
FOR THE CONTRACTOR	التاريخ Date	التوقيع Signature		
Receiver STAMP				





Transmittal Letter: F2NP-TS-FER-AMN-3248

**Ruwais Fertilizer Industries [FERTIL]**

Sheikh Khalifa Energy Complex  
 P.O. Box 2288, Abu Dhabi  
 United Arab Emirates  
 Ph. +971 2 6026965, Fax. +971 2 6021112  
 Email: [projects@fertil.com](mailto:projects@fertil.com), Web: [www.fertil.com](http://www.fertil.com)



Date: 04<sup>th</sup>, Nov 2012

To:  
**AMANA Steel Buildings Contracting LLC**  
 P.O. Box 27444  
 Dubai UAE  
 Tel +971 48854448, Fax: +971 48859030

Attention : **Mr. Lakshmi Pathy**(Project Manager)  
 Ref. : Non-Process Buildings and Revamping Works in Existing Plant  
 Contract No. : EXP-007-10-NPBC

<b>We are sending you</b>			
<input checked="" type="checkbox"/> Attached	<input type="checkbox"/> By Courier	<input type="checkbox"/> By : Email	
<input type="checkbox"/> Drawings	<input type="checkbox"/> Prints	<input type="checkbox"/> Plans	<input checked="" type="checkbox"/> By Hand
<input type="checkbox"/> Copy of Letter	<input type="checkbox"/> Change Order	<input type="checkbox"/> Samples	<input type="checkbox"/> Company documents
<input type="checkbox"/> Soft Copy	<input type="checkbox"/> Reproducible	<input type="checkbox"/> Specification	<input type="checkbox"/> Shop Drawings

Dear Mr. Lakshmi Pathy,  
 Please find attached the documents listed below, reviewed by the COMPANY and issued with status shown.

SN	Document No.	Description	Rev	Status
1	F2NP-00-TE-DAS-0011-001	Material submittal for LAN & Telephone system(M/S Norden-UK)-Non estidama	C03	Code D

<b>These are transmitted as checked below</b>		
<input type="checkbox"/> For Approval	<input checked="" type="checkbox"/> Approved	<input type="checkbox"/> Resubmit copies for approval
<input type="checkbox"/> For Information & Action	<input type="checkbox"/> Reviewed with Comments	<input type="checkbox"/> Submit copies for distribution
<input type="checkbox"/> As Requested	<input type="checkbox"/> Returned for Corrections	<input type="checkbox"/> Return corrected prints
<input type="checkbox"/> For Review and Comment	<input type="checkbox"/> Revise and Resubmit	
<input type="checkbox"/> FOR BIDS DUE:	<input type="checkbox"/> Not Approved	<input checked="" type="checkbox"/> Acknowledge the Receipt.
<b>Notes:</b>		
<b>Copy to:</b>		
1.	3.	
2.	4.	

Best regards,

*(Signature)*  
**Shankar Narayan**  
 Buildings Team Leader





شرطة عمان السلطانية  
الإدارة العامة للدفاع المدني  
إدارة الوقاية من أخطار الحريق  
رقم الشهادة (دفاع مدني / وقاية) / ٢٠١٣/٠٠٠٨ م



**شهادة مطابقة للمعدات والأجهزة والمواد الخاصة بالدفاع المدني للمواصفات القياسية**  
تشهد الإدارة العامة للدفاع المدني بأن الأجهزة والمعدات والمواد المبينة أدناه :  
١- كابلات نحاسية وملحقاتها

المصنعة من قبل : نور دين للإتصالات الشرق الأوسط ، وقد تم فحصها من قبل مختبرات دولية معتمدة لدينا.

وعليه يصرح للوكيل المحلي : العالمية لإدارة مشاريع الإتصالات ، باستيرادها والإتجار فيها

هذه الشهادة صالحة اعتباراً من : ٢٠١٣/٠١/٢٠ م إلى : ٢٠١٥/٠١/١٩ م

إمضاء القائم بالدراسة : الرقيب/خديجة بنت محمد الحوسنية

المقدم / كخطير بن علي الوهبي

عن / مدير عام الدفاع المدني

أي كخطير أو تعديل يلغى هذه الشهادة.

**ملاحظات :**  
يجب تجديد هذه الشهادة عند انتهاء المدة المحددة بوزن تأخير .



سلطنة عمان  
الهيئة العامة للدفاع المدني والإسعاف  
إدارة الوقاية من أخطار الحريق  
رقم الشهادة ( دفاع مدني / وقاية ) ٢٠١٥ / ٠١٤٧٤ م

### شهادة مطابقة للمعدات والأجهزة والمواد الخاصة بالدفاع المدني للمواصفات القياسية

- تشهد الإدارة العامة للدفاع المدني بأن الأجهزة والمعدات والمواد المبينة أدناه :
- ١- كابلات مقاومة للحريق (٣٠) دقيقة
  - ٢- رقم الشهادة (٧١١C-CL-١)

المصنعة من قبل : نور دين للإتصالات الشرق الأوسط ، وقد تم فحصها من قبل مختبرات دولية معتمدة لدينا.  
وعليه يصرح للوكيل المحطى : العالمية لإدارة مشاريع الإتصالات ، باستيرادها وإتجار فيها.

هذه الشهادة صالحة اعتباراً من ٢٠١٥/٠٨/٣٠ م إلى : ٢٠١٧/٠١/١٩ م  
بمضاء القائم بالدراسة :الملازم أول مهندس/ماتع بن سليمان المعشري

عن/ مدير عام الدفاع المدني  
النقيب / أحمد بن ناصر الكندي

أي كسط أو تعديل يلغى هذه الشهادة.

ملاحظات :  
\* يجب تجديد هذه الشهادة عند انتهاء المدة المحددة دون تأخير .







	Reference No	رقم المرجع	UAE ARMED FORCES	القوات المسلحة لدولة الامارات العربية المتحدة
	MTS E 179		COMMAND OF MILITARY WORKS	قيادة الأشغال العسكرية
Rev	Date	النسخة	تقدير المواد	
00	12-Sep-13		MATERIAL SUBMITTAL	
CMW-11021-C002-MTS-E-179		مرجع الوثيقة الكامل	C002	11021
CONSTRUCTION OF OFFICERS VILLAS AT ABU DHABI GATE PROJECT - (FIRST PHASE)		Full Document Reference	Project No.	
K & A		To	من	إلى
			NAEL GENERAL CONTRACTING EST	
ZONE A		منطقة	SUBMITTAL TITLE	
Gateway		Zone	12-SEP 2013	
26 00 00		CSI ID	VILLA F. Level	
		OAB0-5.OA.G.M.A.M	التخصص	
		WBS ID	ELECTRICAL	
Alternative (attach support documents)		بدليل (إرفاق الوثائق الداعمة)	Compliance	
Not Provided		لم تقدم	Sample	
رقم جدول الكميات / المواصفات / المخططات	الحالة	شرح الكتل / الأجزاء / التفاصيل		رقم
Ref to BOQ / Specs / Dwgs	Status	Full Description / Sizes / Details		Ser.
Section 27 30 00		Telecom System for Villa		
		Supplier : 1. Global Integrated Systems - Make : Norden (Recommended)		1
		2. Tecpro Solutions LLC : Make : Optronics		2
		3. ConexPlus : Make : koneXplus		3
يجب على المقاول أن يثبت بأن كل المعلومات التي أصدرت تحت هذا التقديم قد تم مراجعتها والتحقق منها ووجدت مطابقة مع وثائق العقد ما لم يتم التمسك عليها إعلان بأنها بديل. The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.				
المهندس		التوقيع	الاسم	
NC 699		Biju K.C.	Biju K.C.	
2-Sep-13				
ملاحظات ومراجعة التقديم ملاحظات المهندس المتخصص - م. الموقع / مساعد م. الموقع / م. ميكانيكا / م. الكهرباء / مراقب السلامة Discipline Engineer: (RE / ARE / ME / EE / HSE / .... ) Comments:				
ملاحظات المهندس المقيم Resident Engineer Comments مخصصة لمدير مشروع الأشغال / مخصصة لمدير مشروع الإنشائي Escalate to CMW PM / Escalate to Consultant PM				
التاريخ		التوقيع	الاسم	
Date		Signature	Name	
ملاحظات مدير المشروع: فقط تعبئه إذا تم الإشارة على المرجع المخصص إعلان بالتمسك لتت الصلة Project Manager Comments: (to be filled ONLY if the escalation box above to the relevant person is Ticked)				
التاريخ		التوقيع	الاسم	
Date		Signature	Name	
حالة المراجعة (من خلال آخر موافق) Code D = REJECTED <input type="checkbox"/> Code C = REVISE & RESUBMIT <input type="checkbox"/> Code B = NO OBJECTION AS NOTED <input type="checkbox"/> Code A = NO OBJECTION <input type="checkbox"/>				
التاريخ		التوقيع	الاسم	
Date		Signature	Name	
FOR THE CONTRACTOR Receiver STAMP التاريخ 26 SEP 2013				
التاريخ		التوقيع	الاسم	
Date		Signature	Name	

MW-S031-MTS-Rev 03 111127  
0 9001-2008

يجب أن يتم تعبئة كافة البيانات باللغة العربية  
All details must be filled in Arabic



 ختيب و علمي Khatib & Alami					MATERIAL LIST	
Project : MILITARY OFFICERS ACCOMODATION ABU DHABI GATE CITY						
Contract No. (CMW-11021-C002) , (CMW-11021-C003) & (CMW-11021-C004)						
Sl NO	Description	K & A REVIEW AND APPROVAL	CMW TECHNICAL APPROVAL	CMW SAMPLE APPROVAL		
<b>ELECTRICAL</b>						
1	ELECTRICAL WORKS-NAEL MEP (IN HOUSE)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
2	PVC CONDUIT,GI BOX AND ACCESSORIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
3	CABLES AND WIRES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
4	CABLE TRAY,CABLE TRUNKING AND ACCESSORIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
5	G.I CONDUIT & ACCESSORIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
6	FLEXIBLE CABLES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
7	FIRE CABLES(FP 200)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
8	WIRING ACCESSORIES	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
9	ISOLATOR	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
10	EARTHING MATERIALS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
11	CABLE GLANDS AND LUGS	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
12	SMDB,DB'S AND CAPACITOR BANK	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
13	LIGHT FITTINGS	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <sup>2</sup>	<input checked="" type="checkbox"/> <sup>2</sup>		
14	TV JUNCTION BOX	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
15	AUDIO INTERCOM	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
16	TELEPHONE JUNCTION BOX,ONU,TELEPHONE CABLES, and ONU	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <sup>2</sup>	<input checked="" type="checkbox"/> <sup>2</sup>		
17	ENERGY METER,WATER METER	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
18	LIFT in Social Club	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> <sup>3</sup>	<input checked="" type="checkbox"/> <sup>3</sup>		
19	LIGHTING CONTROL PANEL,MOTION SENSOR in Social Club	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
20	FIRE ALARM SYSTEM in Social Club and Mosque	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
21	STRUCTURED CABLING SYSTEM in Social Club	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
22	PUBLIC ADDRESS SYSTEM in Social Club and Mosque	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
23	SMATV SYSTEM in Social Club	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		







سلطنة عمان  
وزارة التجارة والصناعة  
Sultanate of Oman  
Ministry of Commerce and Industry



### شهادة تسجيل وكالة تجارية

وكالة تجارية رقم: 25536

تطبيقاً لقانون الوكالات التجارية الصادر بالمرسوم السلطاني رقم 26 لسنة 1977 م وتعديلاته  
تشهد دائرة حماية المستهلك بأن

العالمية لإدارة مشاريع الاتصالات والتجارة ش.م.م

سجل تجاري رقم: 1090788

NORDEN COMMUNICATION MIDDLE EAST FZE لديه/لديها وكالة تجارية من:

(الموكل) جنسيته: الإمارات

موضوعها:

خدمات اخرى - 1- كابات داتا ومنحقاتها 2- كابات الهواتف وملحقاتها 3- كابات من الالاف وملحقاتها 4- كابات إنسجرات وملحقاتها



دائرة الوكالات و التراخيص المهنية والنقطة

بتاريخ: 2013/01/08

طبعت هذه الشهادة بواسطة: سالم حمد سالم العلياني

موقع الوزارة : [www.mocioman.gov.om](http://www.mocioman.gov.om) - البريد الإلكتروني : [info@mocioman.gov.om](mailto:info@mocioman.gov.om)  
موقع دائرة خدمات المستثمرين : [www.business.gov.om](http://www.business.gov.om) Investors Services Department Website  
مركز الاتصال : 24162900 Call Center



## استمارة بيانات وكالة تجارية

Commercial Agency No.: 25536	وكالة تجارية رقم: 25536
------------------------------	-------------------------

## بيانات الوكيل

## Agent Information

Agent Name	اسم الوكيل	العلامة لإدارة مشاريع الاتصالات والتجارة ش م م
Commercial Registration Number 1090788	رقم التسجيل	1090788
Address P.O Box: 505 Postal Code: 115 Tel.: 99444983 Fax:	العنوان	ص.ب: 505 رمز بريدي: 115 هاتف: 99444983 فاكس:
e-Mail:	البريد الإلكتروني:	
Head Quarter: Muscat Governorate/Bawshar/South	المركز الرئيسي	محافظة مسقط/بوشار/جنوبية

## بيانات الموكل

## Principal Information

Principal Name NORDEN COMMUNICATION MIDDLE EAST FZE	اسم الموكل	
Principal Country United Arab Emirates	بلد الموكل	الإمارات
Principal Address	عنوان الموكل	SHARJAH UAE
Tel: Fax:	هاتف: فاكس:	
Intermediate Principal Name	اسم المنتج	
Intermediate Principal Country United Arab Emirates	بلد المنتج	الإمارات
Intermediate Principal Address	عنوان المنتج	
Tel: Fax:	هاتف: فاكس:	

توقيع  
  
 تاريخ



صفحة 1 من 2



سلطنة عمان  
وزارة التجارة والصناعة  
Sultanate of Oman  
Ministry of Commerce and Industry



## استمارة بيانات وكالة تجارية

Commercial Agency No.: 25536	وكالة تجارية رقم: 25536
------------------------------	-------------------------

## بيانات الوكالة

## Agency Information

Agency Number: 25536	25536	رقم تسجيل الوكالة:
Agency Start Date: 01/04/2012	2012/04/01	تاريخ ابتداء الوكالة:
Agency End Date: 30/09/2013	2013/09/30	تاريخ انقضاء الوكالة:
Renewed Every Year	كل سنة	يحدد تلقائياً
Agency Coverage:	سلطنة عمان	منطقة الوكالة:
Registration Date: 08/01/2013	2013/01/08	تاريخ تسجيل الوكالة:
Agency Expiry Date: 30/09/2013	2013/09/30	تاريخ صلاحية الوكالة:

## موضوع الوكالة

## Agency Information

Agency Type: Service	نوع الوكالة خدمة
Other services	خدمات أخرى
1- إكبات ذات ملحقاتها 2- إكبات الهاتف وملحقاتها 3- إكبات من الإلياف وملحقاتها 4- محركات وملحقاتها	1- إكبات ذات ملحقاتها 2- إكبات الهاتف وملحقاتها 3- إكبات من الإلياف وملحقاتها 4- محركات وملحقاتها

مخية  
2013/01/08

داد



صفحة 2 من 2

موقع الوزارة : [www.mocioman.gov.om](http://www.mocioman.gov.om) - البريد الإلكتروني : [info@mocioman.gov.om](mailto:info@mocioman.gov.om) - E-mail : [info@mocioman.gov.om](mailto:info@mocioman.gov.om)  
موقع دائرة خدمات المستثمرين : [www.business.gov.om](http://www.business.gov.om) - Investors Services Department Website : [www.business.gov.om](http://www.business.gov.om)  
مركز الاتصال : 24162900 - Call Center



سلطنة عُمان  
وزارة التجارة والصناعة  
Sultanate of Oman  
Ministry of Commerce and Industry



منطقة عمل الوكيل: سلطنة عمان  
بموجب عقد يبدأ من: 2012/04/01  
ويجدد تلقائياً كل سنة  
وقد سجلت تحت الرقم المذكور أعلاه بتاريخ: 2013/01/08  
تنتهي صلاحية هذه الشهادة بتاريخ: 2013/09/30  
و يجب تجديدها قبل شهر من تاريخ انتهائها  
ملاحظات عن الوكالة: يجدد تلقائياً لمدة سنة



دائرة الوكالات و التراخيص المهنية والنقضية

بتاريخ: 2013/01/08

طبعت هذه الشهادة بواسطة: سالم حمد سالم العيلاني

موقع الوزارة : [www.mocioman.gov.om](http://www.mocioman.gov.om) - البريد الإلكتروني : [info@mocioman.gov.om](mailto:info@mocioman.gov.om)  
موقع دائرة خدمات المستثمرين : [www.business.gov.om](http://www.business.gov.om)  
مركز الاتصال : 24162900



Page 1 of 3

Thread - Reference No: PIL-P104-TRANSMIT-004038

جزيرة السعديات  
SAADIYAT ISLAND

**PARSONS**

Reference No: KN-UAE-TRANSMIT-003630

**PIL-P104-TRANSMIT-004038**

**Transmittal**

To Mr STEVE KITCHEN - KHARAFI NATIONAL LLC  
 Cc (5) Mr Khaled Ahmed Elmeselhy - KHARAFI NATIONAL LLC (4 more...)  
 From Mr Kenneth O'Connor - PARSONS INTERNATIONAL LIMITED  
 Sent Wednesday, 8 August 2012 1:20:16 PM GST (GMT +04:00)  
 Attribute 1 Construction  
 Attribute 2 Plant Wide  
 Attribute 3 MEP  
 Status N/A  
 Subject Re: STP2(P104) Material Submittal for Telephone and Data System (NORDEM).

**Document Attachments**

(1)

[Update Register](#)

[View Attachment Properties](#)

[Actions](#)

[Download Files](#)

**P1-04-KN-PTW-MEP-MTS-1 23/07/2012 Telephone and Data System Approved with 00138 (NORDEM) Comments**

Dear Sir,

With reference to your transmittal **KN-UAE-TRANSMIT-003709** regarding **Material Submittal for Telephone and Data System (NORDEM)**, please find attached **P1-04-KN-PTW-MEP-MTS-00138 Rev. 1** with status "**Approved with Comments**" for your information and action.

Please see comments Klumpp.

Regards,

**Kenneth O'Connor**  
Senior Resident Engineer PARSONS





	Reference No رقم المرجع	UAE ARMED FORCES القوات المسلحة لدولة الامارات العربية المتحدة	
	MTS E 0011 الطبعة 00	COMMAND OF MILITARY WORKS قيادة الأشغال العسكرية	
Date التاريخ	2012-12-18	تقديم المواد MATERIAL SUBMITTAL	
CMW-11117-C001-MTS-E-0011	مرجع الوثيقة الكامل Full Document Reference	C001 - 11117	رقم المشروع Project No.
أعمال إنشاء نقطة تفتيش خور المشاركة		اسم المشروع / العقد Project / Contract Name	
من To قيادة الأشغال العسكرية / شعبة إدارة المشاريع		من From مؤسسة جيدان للمقاولات العامة	
Structured Cabling System SUBMITTAL TITLE			
منطقة Zone	ميناء خالد / خور المشاركة	مستوى الطابق F. Level	الكل
بوابة Gatewa	26 00 00	WBS ID	كهربائي
CSI ID	6.10	Compliance	Compliance
رقم جدول الكميات / المواصفات / المخططات Ref to BOQ / Specs / Dwgs		الحالة Status	الشرح الكامل / الأبعاد / التفاصيل Full Description / Sizes / Details
CMW-11117-C001-01-E-2001			NORDEN, UK
			Approved Sub:
			Global Integrated Systems
<p>The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.</p>			
Issuer		المشرف	
18-Dec-12	التاريخ Date	التوقيع Signature	م ابراهيم حمدونه Name
SUBMITTAL REVIEW & COMMENTS			
ملاحظات ومراجعة التقديم Remarks and Review of Submission			
Resident Engineer Comments			
Project Manager Comments: (to be filled ONLY if the escalation box above to the relevant person is Ticked)			
<p>مرفوض Code D = REJECTED    يراجع و يعاد تقديمه Code C = REVISE &amp; RESUBMIT    موافق مع الملاحظات Code B = NO OBJECTION AS NOTED    موافق Code A = NO OBJECTION</p>			
FOR THE CONTRACTOR			
Receiver STAMP	التاريخ Date	التوقيع Signature	الاسم Name



Issuer Logo (Leave Blank if Issuer is CMW)	Reference No المرجع رقم <b>MTS E 0011</b>	UAE ARMED FORCES COMMAND OF MILITARY WORKS		القوات المسلحة لدولة الإمارات العربية المتحدة قيادة الأشغال العسكرية	
	Rev الطبعة <b>0</b>	Date التاريخ <b>4-Sep-12</b>	تقديم المواد <b>MATERIAL SUBMITTAL</b>		
CMW-9179-COO1-MTS-E-0011		مرجع الوثيقة الكامل Full Document Reference	COO1 -	9179	رقم المشروع Project No.
MW - IS - 179 - 2009 - إنشاء مكاتب وغرف حراسة لهيئة الإستخبارات والامن بمدينة زايد العسكرية - DMW - ZAYED MILITARY CITY - ALSHAHAMA					اسم المشروع / العقد Project / Contract Name
DMW - ZAYED MILITARY CITY - ALSHAHAMA			الى To	ABU HASHED GENERAL CONTRACTING EST.	من From
TECHNICAL SUBMITTAL FOR STRUCTURED CABLING SYSTEM					عنوان التقديم SUBMITTAL TITLE
منطقة Zone	مستوى الطابق F. Level	1	المنشئ Facility		
بوابة Gateway	CSI ID	CMW.1.09179.6.10	WBS ID	E	التخصص Discipline
الشهامة	رقم جدول الكميات / المواصفات / المخططات Ref to BOQ / Specs / Dwgs	الحالة Status	الشرح الكامل / الأحجام / التفاصيل Full Description / Sizes / Details		رقم Ser.
Alternative (attach support documents) (بدل (أرفق الوثائق الداعمة) )	Complies with Contract documents	متوافقة مع وثائق العقد	Compliance		المطابقة
Not Provided	لم تقدم	Provided	قدمت		عينة
27 20 00			STRUCTURED CABLING SYSTEM - UK- SAFETICO.		1
			NORDEN-UK		
<p>The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.</p>					
Issuer		المنشئ			
4/9/2012	التاريخ Date	التوقيع Signature		M. Ibrahim	
SUBMITTAL REVIEW & COMMENTS		ملاحظات ومراجعة التقديم			
Discipline Engineer: (RE / ARE / ME / EE / HSE / .... ) Comments: ملاحظات المهندس التخصصي - م. الموقع / مساعد م. الموقع / م. ميكانيكا / م. الكهرباء / م. مرافق السلامة					
التاريخ Date	التوقيع Signature	الاسم Name			
مخصصة لمدير مشروع الأشغال Escalate to CMW PM	مخصصة لمدير مشروع الاستشاري Escalate to Consultant PM	<p>ملاحظات المهندس Norden - UK Approved as noted</p> <p>UK origin only approved, provide certificate of origin @ this approval only for brand, provide detail shop/schematic drawings showing the cabling and its size and sample board/cabinet to be provided @ site</p>			
c-15/9/12	التاريخ Date	التوقيع Signature		الاسم Name	
Project Manager Comments: (to be filled ONLY if the escalation box above to the relevant person is Ticked)					
التاريخ Date	التوقيع Signature	الاسم Name			
مرفوض Code D = REJECTED	يراجع و يعاد تقديمه Code C = REVISE & RESUBMIT	موافق مع الملاحظات Code B = NO OBJECTION AS NOTED	موافق Code A = NO OBJECTION	حالة المراجعة (من خلال آخر موافق) Review Status (by Final Approver)	
	التاريخ Date	التوقيع Signature	الاسم Name		
FOR THE CONTRACTOR		للمقبول			
Receiver	التاريخ Date	التوقيع Signature	الاسم Name		







Emirates Telecommunications Corporation - Etisalat  
PO Box 300, Abu Dhabi  
United Arab Emirates

T (+971) 2 6333111  
www.etisalat.ae

هاتف: (+971) 2 6333111  
www.etisalat.ae

مؤسسة اتصالات  
للخدمات الهاتفية  
الاسلكية  
المتكاملة



**Our Ref ; ETC/SP/FMA/033**

**Date : 22/09/2011**

**UNITED BUSINESS SYSTEMS  
POST BOX. 45315  
ABU DHABI**

**Subject:- APPROVAL OF MATERIALS FOR FTTH SYSTEMS**

Dear Sirs,

Reference to your request regarding the approval of United Business Systems products as this is required by contractors for all FTTH Projects.

Please be informing that after analysis of your catalogs and product samples, United Business Systems – Abu Dhabi can be used for all internal structured cabling solutions in FTTH Projects as per the approval in Catalogs.

Forwarded for your information and further necessary action, please.

Thanking you and assuring you of our co-operation.

Yours faithfully,  
For EMIRATES TELECOMMUNICATIONS CORPORATION.

  
**YOUNES KHAMIS SAEED  
MANAGER/DATA MAINTENANCE  
Abu Dhabi Region**



C A B I N E T   &   A C C E S S O R I E S

## Floor standing cabinets

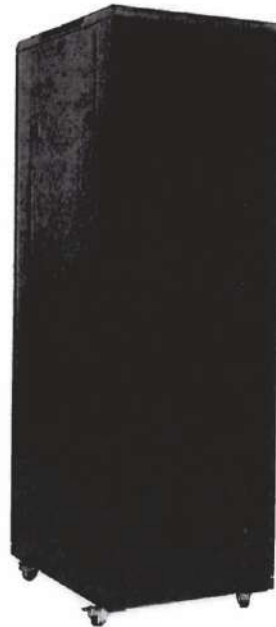
### SMARTRACK

The SMARTRACK range of floor standing cabinets designed for communication rooms and data centers. The smart design and professional engineering provides easy installation and maintenance. Comply with ANSI/EIA RS-310-D, IEC 297-2, DIN 41491, PART 1, DIN 41497, PART 7, GB/T3047.2-92, ETSI standards.

Material	SPCC cold rolled steel
Degree of protection	IP20
Surface finish	Degreasing, phosphoric, powder coated.
Loading capacity	800 KGS
Material thickness	Mounting profile: 2.0mm Mounting angel: 1.5mm Other: 1.2mm

#### Features

- Intelligent design ensure easy installation.
- Cable entry through bottom and top panel
- Removable side panel provides easy maintenance
- 180 degree turning angle for front door
- Toughened glass door
- 19" installation
- Adjustable feet and heavy duty castors
- Plinth and rack fans are optional



اتصالات  
 مؤسسة الإمارات  
 للاتصالات  
 منطقة أبوظبي

**FTTH MATERIAL APPROVAL**

Issue Date: 22-9-11.  
 Ref. No: ETC/SP/FMA/033

Valid for Six Months from the date of issue, Material approvals  
 should be reconfirmed with Etisalat on each projects

Approved by:





C A B I N E T A C C E S S O R I E S



Floor standing cabinets

Front door



N1 Toughened glass door with door border



N2 front door (arc reticular high-density vented door)



N3 Steel front door (without holes)



N4 front door (toughened glass door plate door border)



N5 front door (high-density vented plate door)

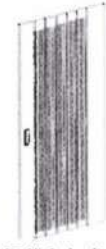
Rear door



N6 Plate rear door without holes



N7 Rear door with square holes



N8 High-density vented rear door



N9 Double-section rear door



N10 Double-section high-density vented door

Accessories

Description	Model no.	Packs	Unit	Material	Surface finish
Fan unit with thermostat	Refer to accessory list	1	Set	Body SPCC	Powder coated
Thermostat	Refer to accessory list	1	Set	Body SPCC	Powder coated
Filter for fan unit	Refer to accessory list	1	Piece		
Emitted BDU	Refer to accessory list	1	Piece		
Trunk Communications Corporation	Refer to accessory list	1	Piece		
Riyadh Region	Refer to accessory list	1	Set	T1.2/T3.0 SPCC	Powder coated
Filter for fan unit	Refer to accessory list	1	Set	ABS	
Fixed shelf	Refer to accessory list	1	Piece	T1.2 SPCC	Powder coated
Approval Date and nut	Refer to accessory list	10	Set	Steel	Colour zinc

**ETISALAT** **اتصالات**

**FTH MATERIAL APPROVAL**

Approval Date: \_\_\_\_\_

Etisalat Ref. No. ETC/SP/FMA/033

Valid for Six Months from the date of issue, Material approvals should be reconfirmed with Etisalat on each projects

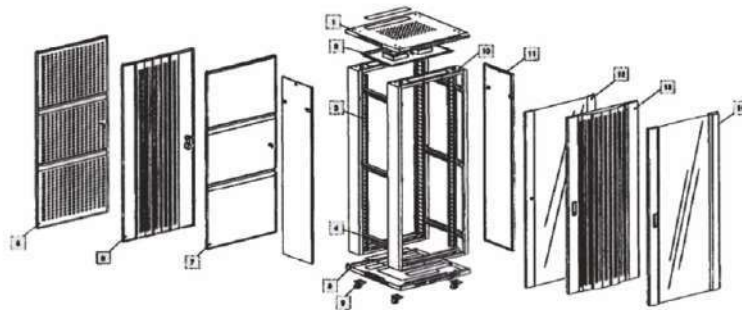
Verified by: \_\_\_\_\_ Approved by: \_\_\_\_\_



C A B I N E T   &   A C C E S S O R I E S

### Floor standing cabinets

Structure



- 1. Top cover
- 2. Fan unit
- 3. Mounting profile
- 4. Mounting angle
- 5. Rear door with square holes
- 6. High-density vented rear door
- 7. Steel door without hole
- 8. Bottom panel
- 9. 2" heavy duty castor
- 10. Frame
- 11. Side panel
- 12. N4 front door
- 13. N2 front door
- 14. N1 front door



Adjustable mounting profile & mounting angle



Earthing Kit



Lockable cable entry



Removable front door

<p>الاتصالات الإمارات أبوظبي</p>	
<b>IT/MATERIAL APPROVAL</b>	
Approval Date	22-9-11
Etsalat Ref. No.	ETC/SP/EMA/033
Valid for Six Months from the date of issue, Material approvals should be reconfirmed with Etsalat on each projects	
Verified by:	Approved by:



C A B I N E T   &   A C C E S S O R I E S

### Floor standing cabinets

**ORDERING INFORMATION**

PART NUMBER	CAPACITY (U)	WIDTH (MM)	DEPTH (MM)	HEIGHT (MM)
NN6618X	18	600	600	988
NN6818X			800	
NN6918X			900	
NN6A18X			960	
NN6622X	22	600	600	1166
NN6822X			800	
NN6922X			900	
NN6A22X			960	
NN6627X	27	600	600	1388
NN6827X			800	
NN6927X			900	
NN6A27X			960	
NN6632X	32	600	600	1610
NN6832X			800	
NN6932X			900	
NN6A32X			960	
NN6637X	37	600	600	1833
NN6837X			800	
NN6937X			900	
NN6A37X			960	
NN6642X	42	600	600	2055
NN6842X			800	
NN6942X			900	
NN6A42X			960	
NN8642X			600	
NN8842X			800	
NN8942X	900			
NN8A42X	960			
NN6647X	47	600	600	2277
NN6847X			800	
NN6947X			900	
NN6A47X			960	

X=Colour

COLOUR

RAL9004	RAL7044
---------	---------







UAE ARMED FORCES COMMAND OF MILITARY WORKS <b>MATERIAL SUBMITTAL</b>		Reference	
		MTS	E
Project No. <u>044</u> Subject <u>STRUCTURAL CABLING SYSTEM</u>		Date	REL
		19-04-12	00
From <u>FARIS AL SAHRAA GEN.CONT.</u> To <u>CMW-REGIONAL-ENGR.</u>		Address / <u>TEL:02-4915000</u> Address / <u>TEL:02-6186271</u>	
Contact <u>FAX:02-4915002</u> Contact <u>FAX:02-5828304</u>		SUBMITTAL TITLE: <u>STRUCTURED CABLING SYSTEM</u>	
Facility <u>ALI</u>	F. Level <u>ALL</u>	Zone <u>OFFICER'S CLUB</u>	
Discipline <u>ELECTRICAL</u>		WBS ID <u>CMW.1.08044.6 SUP 271000</u>	
Compliance <input type="radio"/> Complies with Contract documents <input type="radio"/> Alternative (support data attached)			
Ser.	Full Description / Sizes / Details	Ref to BOQ / Specs / Dwgs	
1	TECHNICAL SUBMITTAL FOR STRUCTURED CABLING		
2	MAKE: NORDEN, ORIGIN: U.K		
3	SUPPLIER: SAFETICO SECURITY AND SYSTEM		
4			
5			
6			
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above			
FOR THE CONTRACTOR			
Name	<u>Habeeb Rahn</u>	Signature	<u>[Signature]</u>
Date	<u>19/04/12</u>	Issuer STAMP 	
<b>SUBMITTAL REVIEW &amp; COMMENTS</b>			
Site Engineer / Services Engineer Comments:			
<u>Forward to Elec eng.</u>			
Name	<u>Shouaban</u>	Signature	<u>[Signature]</u>
Date	<u>19/04/12</u>		
Approval Committee / Consultant Comments:			
- Approved as per attached List - - Testing & Commissioning shall be carried out by Supplier Engineer			Escalation to PM is Required <input type="checkbox"/>
Name	<u>[Signature]</u>	Signature	<u>[Signature]</u>
Date	<u>22/5/2012</u>		
Project Manager Comments: (to be filled ONLY if the escalation box above is Ticked)			
Review Status (by Final Approver) <input type="checkbox"/> Code A APPROVED <input checked="" type="checkbox"/> Code B APP. AS NOTED <input type="checkbox"/> Code C REVISE & RESUBMIT <input type="checkbox"/> Code D REJECTED			
Name		Signature	Date
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.			
FOR THE CONTRACTOR			
Name		Signature	Date
			Receiver STAMP







All details must be filled in English

*Received*  
 19/04/12









		<b>SUPPLY, DELIVERY AND INSTALLATION OF FLY CAMPS FOR NDC AT BIDA AL OSHANAH</b> PROJECT No. 6051 AGREEMENT No. 116051C1			
<b>MATERIAL APPROVAL REQUEST (MAR)</b>					
Serial No.		Rev. No.		Date	
E 0 0 1 1		0 1		1 2 / 1 1 / 2 0 1 2	
S/C Ref.					
<input type="checkbox"/> Document Class		<input type="checkbox"/> First Submission		<input checked="" type="checkbox"/> Second Submission	
<input type="checkbox"/> Further Submission					
Material Description : TELEPHONE SYSTEM					
Trade Name		Manufacturer		Supplier :	
GINSCO		NORDEN- USA		GINSCO	
ADNOC Reg. No.					
Specification requirement detail		Refer to Catalogue			Discipline: Electrical
Location / Area of use		Fly office caravan			
Technical details		Refer to catalogue			
<b>Attachments:</b>					
1 Specification comparison Sheet		Yes <input type="checkbox"/>		NA <input checked="" type="checkbox"/>	
2 Sample & Sketches		Yes <input checked="" type="checkbox"/>		NA <input type="checkbox"/>	
3 Brochure/Copy		Yes <input checked="" type="checkbox"/>		NA <input type="checkbox"/>	
				4 Other supporting documents (list) :	
Original Catalogue _____					
NA :- Not applicable Notes/Comments:-					
<b>For CONTRACTOR</b>					
Name :		Signature:		Date:	
Engr. Mohammed Fawzi Project Manager					
					
For ADNOC <input type="checkbox"/> Accepted		<input checked="" type="checkbox"/> Accepted subject to		<input type="checkbox"/> Incorporate comments, resubmit before proceeding	
<input type="checkbox"/> Not accepted					
Comments:					
<ul style="list-style-type: none"> <li>Submit (full) end to end solution for copper &amp; fiber.</li> </ul>					
Name :		Signature:		Date:	
Mr. Suhail Al Romaithi Project Manager				7 8 NOV 2012	
					





**ADNOC DISTRIBUTION**  
**CONSTRUCTION OF VEHICLE INSPECTION LANES IN GAYATHI & LIWA**  
**SERVICE STATIONS IN WESTERN REGION**  
 Project No.: 12003  
 Tender Ref: EPD12001



**MATERIAL APPROVAL REQUEST (MAR)**

---

Serial No. AA/PN12003/MAR-E/17    Rev. No. 00    Date 7/10/2012    S/C Ref. ELECTRICAL

Material Description: **STRUCTURED CABLING SYSTEM**

Trade Name: NORDEN - UK    Manufacturer: SAFETICO SECURITY & SAFETY SYSTEMS    Supplier: ADNOC Reg. No. [blank]

Specification requirement detail: Technical Specifications:

Location / Area of use: BUILDING AREA

Technical detail: [blank]

Attachments:

1 Specification comparison sheet	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> NA	4 Other supporting documents (list)
2 Samples	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> NA	
3 Original Brochure	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> NA	

NA -Not applicable

Notes/Comments: EMARA for Approval

**ADNOC Distribution**  
 Projects Division

07 JUL 2012

For information for file:     Urgent:     An usual:

Name: 1mc-1210849

For AL ATTAS Contracting & Gen. Maint. Est


Name: Eng. Walid El    Date: 7/10/2012    Signature: [Signature]

For ADNOC

Accepted     Accepted subject to     Incorporate comments, resubmit before proceeding     Not accepted

Comments: For comments refer to the attached sheet

Name: ENG. YOUSEF JAMAL    Date: 17/10/12    Signature: [Signature]





	<b>UAE ARMED FORCES COMMAND OF MILITARY WORKS</b>		Reference <b>MTS E 0009</b>	
	<b>MATERIAL SUBMITTAL</b>		Date <b>28/12/011</b>	
Project No. <b>mw-ou-167-10 - 2010</b> Subject <b>STRUCTURE CABLING</b>				
From <b>AL DIYAR GEN.CONT.CO.LLC</b>		To <b>COMMAND OF MILITARY WORKS</b>		
Address / Contact <b>P.O.BOX: 45310, ABU DHABI. TEL 02-6743939, FAX 02-6743936</b>		Address / Contact <b>TEL: 02-6188386, FAX 02-6419050</b>		
<b>SUBMITTAL TITLE: STRUCTURE CABLING</b>				
Facility <b>ALL</b>	F. Level	Zone <b>ABU DHABI</b>		
Discipline <b>E</b>	WBS ID <b>CMW.1.09167.6.10</b>	CSI ID <b>27 10 00</b>		
Compliance <input checked="" type="radio"/> Complies with Contract documents <input type="radio"/> Alternative (support data attached)				
Ser.	Full Description / Sizes / Details		Ref to BOQ / Specs / Dwgs	
1	OPTION 1:-TECHLGIKS CANADA (LINKED DATA SYSTEM)			
2	OPTION 2:-NORDEN (LINKED DATA SYSTEM)			
3				
4				
5				
6				
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.				
<b>FOR THE CONTRACTOR</b>				
Name <b>R. KRISHNARAJ</b>		Signature		Date
<b>SUBMITTAL REVIEW &amp; COMMENTS</b>				
Site Engineer / Services Engineer Comments:				
Forwarded TO CMW Electric engineer for approval				
Name <b>Hamid Bassioni</b>		Signature		Date <b>28/12/2011</b>
Approval Committee / Consultant Comments:				
Norden is approved - To be screened type				
Escalation to PM is Required <input type="checkbox"/>				
Name		Signature		Date <b>11-1-2012</b>
Project Manager Comments: (to be filled ONLY if the escalation box above is Ticked)				
Review Status (by Final Approver)				
<input type="checkbox"/> Code A APPROVED <input type="checkbox"/> Code B APP. AS NOTED <input type="checkbox"/> Code C REVISE & RESUBMIT <input type="checkbox"/> Code D REJECTED				
Name		Signature		Date
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.				
<b>FOR THE CONTRACTOR</b>				
Name <b>R. KRISHNARAJ</b>		Signature		Date
				Receiver STAMP
All details must be filled in English				




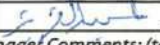







	UAE ARMED FORCES COMMAND OF MILITARY WORKS <b>MATERIAL SUBMITTAL</b>		Reference		
			MTS	E	
			Date	Rev.	
			25-Jun-12	00	
This Material Submittal must be accompanied by a Compliance Statement					
Project No.	82	-	2010	Subject	
From	Technical Architects			To	CMW
Address / Contact	Abu Dhabi, UAE 026355514			Address / Contact	Al Ain, UAE
SUBMITTAL TITLE: <b>Structured Cabling</b>					
Facility		F.Level		Zone	
Discipline	E-Electrical	WBS ID	cmw.1.082.6.35	CSI ID	22 00 00
Compliance	<input checked="" type="radio"/> Complies with Contract documents			<input type="radio"/> Alternative (attach support documents)	
Ser.	Full Description / Sizes / Details				Ref to BOQ / Specs / Dwgs
1	Structured Cabling				
2	Brand: 1. NORDEN/UK ✓				
3	2. EXCEL /UK				
4	3. OPTI CHINA/ CHINA				
5					
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.					
FOR THE CONTRACTOR					
Name	Signature		Date	Issuer STAMP	
	ENG. Salama				
SUBMITTAL REVIEW & COMMENTS					
Site Engineer / Services Engineer Comments:					
Name	Signature		Date		
Approval Committee / Consultant Comments:					
Norden - UK Approved as noted ① provide sample of cabinet for acceptance ② cat.6 cable outlet to be 45° app angle ③ testing & commissioning to be done by suppliers engineer ④ Certificate of origin to be provided					Escalation to PM is Required <input type="checkbox"/>
Name	Signature		Date	25/6/12	
Project Manager Comments: (to be filled ONLY if the escalation box above is ticked)					
Review Status (by Final Approver)	<input type="checkbox"/> Code A	<input checked="" type="checkbox"/> Code B	<input type="checkbox"/> Code C	<input type="checkbox"/> Code D	
	APPROVED	APP. AS NOTED	REVISE & RESUBMIT	REJECTED	
Name	Signature		Date		
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the contractor of any of his obligations under the Contract.					
FOR THE CONTRACTOR					
Name	Signature		Date	Receiver STAMP	



 UAE ARMED FORCES COMMAND OF MILITARY WORKS		Reference		 AL SAHRAA	
		MTS	E		1048
<b>MATERIAL SUBMITTAL</b>		Date		REV	
		14-Jun-12		01	
Project No.	298-2010	Subject	ELECTRICAL MATERIAL SUBMITTAL		
From	DESERT KNIGHT TRADING & GEN. CONTRACTING	To	CMW REGIONAL ENGINEER		
Address /	TEL: 02-6216641	Address /	EASTERN AREA		
Contact	FAX: 02-6216671	Contact	TEL: 03-7678694	FAX: 03-7676682	
<b>SUBMITTAL TITLE:</b>		<b>STRUCTURED CABLING</b>			
Facility	F. Level	Zone	QUSAIWERA		
Discipline	ELECTRICAL	WBS ID	CSI ID		
Compliance	<input type="radio"/> Complies with Contract documents		<input type="radio"/> Alternative (support data attached)		
Ser.	Full Description / Sizes / Details		Ref to BOQ / Specs / Dwgs		
1	STRUCTURED CABLING				
2	BRAND: 1. NORDEN - UK ✓				
3	2. EXCEL - UK				
4	3. OPTICHINA - CHINA				
5					
6					
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above					
<b>FOR THE CONTRACTOR</b>					
Name	Engi Attia	Signature		Date	14/06/12
					Issuer STAMP
<b>SUBMITTAL REVIEW &amp; COMMENTS</b>					
Site Engineer / Services Engineer Comments:					
Name: _____ Signature: _____ Date: _____					
Approval Committee / Consultant Comments:					
Norden - UK approved as noted ① refer to attached list for details ② Cabin sample to be provided ③ certificate of origin to be provided					Escalation to PM is Required <input type="checkbox"/>
Name		Signature		Date	14.6.12
Project Manager Comments: (to be filled ONLY if the escalation box above is Ticked)					
Review Status (by Final Approver) <input type="checkbox"/> Code A APPROVED <input checked="" type="checkbox"/> Code B APP. AS NOTED <input type="checkbox"/> Code C REVISE & RESUBMIT <input type="checkbox"/> Code D REJECTED					
Name	Signature		Date		
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.					
<b>FOR THE CONTRACTOR</b>					
Name	Signature		Date		Receiver STAMP

All details must be filled in English





 <b>UAE ARMED FORCES</b> <b>COMMAND OF MILITARY WORKS</b>		Reference		Issuer Logo (Leave Blank if issuer is CMW)
		MTS	E	
<b>MATERIAL SUBMITTAL</b>		Date	Rev.	
		4-Nov-11	00	
This Material Submittal must be accompanied by a Compliance Statement				
Project No.	10068	Subject	Structured Cabling System	
From	FAYA CONSTRUCTIONS L.L.C	To	COMMAND OF MILITARY WORKS	
Address / Contact	SHARJAH P.O BOX 66614 Eng muataz Abbas	Address / Contact	PROJECT ENG. RAK	
SUBMITTAL TITLE: <b>Structured Cabling System</b>				
Facility	ALL	F. Level	Zone ALL	
Discipline	E	WBS ID	6.35	CSI ID 27 10 00
Compliance	<input checked="" type="radio"/> Complies with Contract documents		<input type="radio"/> Alternative (attach support documents)	
Ser.	Full Description / Sizes / Details		Ref to BOQ / Specs / Dwgs	
1	Technical Submittal for Structured Cabling System Make: Norden, Origin: U.K Supplier: Safetico Security and Safety System L.L.C (Technical Submittal Enclosed)			
The Contractor certifies that all information issued under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" above.				
<b>FOR THE CONTRACTOR</b>				
Name	Muataz abbas	Signature	Date	4-Nov-11
SUBMITTAL REVIEW & COMMENTS				
Site Engineer / Services Engineer Comments:				
سيرة الشركة بالبريد				
Name	محمد الهادي	Signature	Date	13/11/2011
Approval Committee / Consultant Comments:				
1) Norden, Origin. U.k approved as a make, 2) Resubmit with other 2 suppliers. 3) Debate supplier enr. for discussion.				Escalation to PM is Required <input type="checkbox"/>
Name	محمد الهادي	Signature	Date	16.11.2011
Project Manager Comments (to be filled ONLY if the escalation box above is Ticked)				
Review Status (by Final Approver)	<input type="checkbox"/> Code A APPROVED	<input type="checkbox"/> Code B APP. AS NOTED	<input type="checkbox"/> Code C REVISE & RESUBMIT	<input type="checkbox"/> Code D REJECTED
Name	Signature	Date		
Any consent or approval by or on behalf of the Engineer shall not in any way relieve the Contractor of any of his obligations under the Contract.				
<b>FOR THE CONTRACTOR</b>				
Name	محمد الهادي	Signature	Date	
CMW-5031-MTS-Rev 0-10100 All entries must be filled in English				





Apr 15 2012 10:45AM HP LASERJET FAX

p.1

Attn: Mr. Radomir (Fax: 08-1282788)



*Att. MR ERIDI  
JIGGA OFFICE*

**NEW ADMINISTRATION BUILDING FOR FERTIL  
AT RUWAIS  
PROJECT No. 6030  
AGREEMENT No. 116030C1**



**MATERIAL APPROVAL REQUEST (MAR)**

Serial No. **E 0 0 2 6** Rev. No. **0 1** Date **0 5 / 0 4 / 2 0 1 2** S/C Ref.   

Document Class |  First Submission |  Second Submission |  Further Submission

Material Description : Structured Cabling System

Trade Name	Manufacturer:	Supplier:	COMPANY Reg. No.
Norden	M/s. Norden - UK	M/s. Link Data Systems Technology Consultant L.L.C.	

Specification requirement detail	Section 16710- Telephone System, Volume 4B of 5, Part C2 - Electrical Specifications, Page 2-8	Discipline: Electrical
Location / Area of use	Inside the Building	
Technical details	As per the Catalogues	

**Attachments:**

- Specification comparison Sheet Yes  NA   Other Supporting documents (list)
- Sample Yes  NA  Contract Specifications, Specification Comparison Sheet, Previous Comments, Reply to Comments, Reply to Comments by the Supplier, Material list, Catalogues and Data Sheets.
- Brochure Yes  NA

NA :- Not applicable

Notes/Comments: -

**For CONTRACTOR**

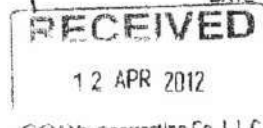
Name: *[Signature]* Sriramu P Project Manager. Signature: *[Signature]* **CODE Contracting Co (L.L.C)** Date: 05/04/2012  
P.O. Box: 25224 - Abu Dhabi

For COMPANY  Accepted  Accepted subject to  Incorporate comments, resubmit before proceeding  Not accepted

**Comments:**

- > 100 pair cables shall be with flame redundant PVC inner jacket and same for outer jacket.
- > Outdoor fiber optic cables shall be flame redundant PVC inner jacket and same for outer jacket.
- > Stick with Contractor Scope of Work as per Project specifications and Contract Document.

Name : **Bakheet Ahmed Al Mansoori** Project Manager *[Signature]* 12 APR 2012  
NAME DESIGNATION SIGNATURE DATE






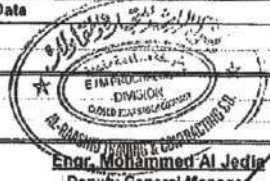
114



<b>Owner:</b> وزارة الصحة إدارة العامة للمشاورين والتسليم مملكة البحرين Kingdom of Bahrain		<b>Consultant:</b> شركة المصنف للإنشاءات الهندسية Seder Group 1999		<b>Contractor:</b> شركة مجموعة سدر للتجارة والتطويرات Seder Group 2011	
<b>Technical submittal</b>					
<b>Submittal type</b> <input type="checkbox"/> Material <input type="checkbox"/> Sample <input type="checkbox"/> Document <input type="checkbox"/> Drawing		Date: 04/05/2015 01 JUN 2015 Submittal Code:			
<b>To:</b> The Specialist Group P.O.Box : 88819 Riyadh 11672		No of copies:			
<b>Contract No.:</b> Project Title : King Khalid Hospital, Najran Location : King Khalid Hospital, Najran		Item No. in contract:			
From : SEDER GROUP P.O.Box: 84290 Riyadh 11671 Tel : 011-4196659 Fax : 011-4196658		BOQ:			
Transmittal No. : 85 Reference No. : naj - sd - elec -85 Transmittal date : 04/05/15		<input checked="" type="checkbox"/> New Submittal <input type="checkbox"/> Resubmittal			
Submitted by Name: Eng. Mohamed ali Signature:		Purpose:			
Manufacturer:		Consultant Remarks:			
Supplier:		لا ما يبع من عقود شركة (Seder) باللائمة جواردا الكميات والمواعيد العامة و الخامة المعتمدة مع اعضاء عينات من الكابلات المعتمدة			
BEIDEN CABLE B3 CABLE NORDEN		A : For approval C : For Comment I : For Information R : For Record			
LOW CURENT CABLE		<input type="checkbox"/> A: Approved <input checked="" type="checkbox"/> B: Approved As Noted <input type="checkbox"/> C: Resubmit with notes <input type="checkbox"/> D: Disapproved			
Reviewed by: 14/05/2015 Consultant Project Manager:		Documents have been reviewed to check for compliance with the contract. Such review does not relieve contractor of his responsibilities under the terms of the contract nor authorized additional compensation.			
Signature:		Approved by:			
Name:		Signature:			

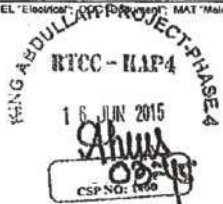




 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		R-IN-13544
 PROGER Engineering & Management		 Al Rashid Trading & Contracting
Project Name: General Directorates of Civil Defense Project No.: 101 To: Project Manager - Proger Head Office	Submittal No. KAP4 - MAT - 101 - BXXX - TT - 0014 Date: 7 Jun-15	Rev. 1
<b>Document / Material Submittal</b>		
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments: <input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )		
<b>Item Description</b>		No. of Submittals: 1 Submittal No.: 1
<b>CABLE FOR ACCESS CONTROL SYSTEM</b>		
Copies	<b>Document; Material Description</b>	<b>Reference Specs #</b>
1	CARD READER - 22 AWG, 6 CONDUCTOR, SHEILDED, SOLID (Norden Brand) DOOR STRIKE - 18 AWG, 2 CONDUCTOR, UNSHEILDED, SOLID (Norden Brand) DOOR CONTACT - 18 AWG, 2 CONDUCTOR, UNSHEILDED, SOLID (Norden Brand) PUSH BUTTON - 22 AWG, 2 CONDUCTOR, UNSHEILDED, SOLID (Norden Brand) APC--AMC2 CONTROLLER - 22 AWG, 2 CONDUCTOR, SHEILDED, SOLID (Norden Brand) ELECTRO MAGNETIC LOCK - 18AWG, 2 CONDUCTOR, UNSHEILDED, SOLID (Norden Brand)	ZF- 16783 Reference BOQ#
<b>Supplier Data</b>		
Name: Protection Shield Co. Address: PO Box 24694 Riyadh 11312 - KSA		
<b>Manufacturer Data</b>		
Name: Norden Address: UK		
Samples: _____ Samples Description: _____ Remarks: _____		
To be used for: the whole project location as per approved design drawing and relevant specification.		
		 Engr. Mohammed Al Jedia Deputy General Manager
For Contractor. (Name / Title / Signature / Stamp)		
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. Remarks: ACTION CODE B Approved subject to confirmation of same specs by manufacturer Bosh. <i>Mujahid Ahmad</i>		
<small>Corrections or comments made relative to submittals during this review do not release the contractor from full compliance with the requirements of the contract documents, dimensions, sections, schedules, specifications and submittal procedures. The contractor is responsible for the provided specifications. This check is only for general review.</small>		
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION		
For Engineer's rep. Review By: <i>Mujahid Ahmad</i> 15-June-2015 Name: _____ Signature: _____ Date: _____		Supervisor/Manager: Eng Francesco Clemente <i>Francisco Clemente</i> 15-June-2015 Name: _____ Signature / Stamp: _____ Date: _____

CI "Civil", ST "Structure", AR "Architecture", ME "Mechanical", EL "Electrical", EPC "Erection", MAT "Materials", SUB "Sub-contractor, SUP "Supplier", MAN "Manufacturer"

Uploaded  
16 June 15



K4.COM.002.v0101 Submittal Form-RTCC  
K4.COM.002.V0 Document/Material Submittal



<b>Kingdom of Saudi Arabia</b>		R-IN-13489
<b>Security Planning and Development Agency - KAP4 Project</b>		
 Ministry of Interior	 PROGER Engineering & Management	 Al Rashid Trading & Contracting
Project Name: General Directorates of Civil Defense	Submittal No. KAP4 - MAT - 101 - BXXX - TT - 0019	Rev. 0
Project No.: 101	Date: 7-Jun-15	
To: Project Manager - Proger Head Office		
<b>Document / Material Submittal</b>		
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments: <input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )		
<b>Item Description</b>		No. of Submittals
PUBLIC ADDRESS CABLE		1
<b>Document; Material Description</b>		Reference Specs #
1 SPEAKER CABLE - 2CORE, 14AWG, UNSHIELDED, SOLID, NORDEN (for Bosch & Honeywell) FIRE INTERFACE CABLE - 2CORE, 14AWG, UNSHIELDED, SOLID, NORDEN (for Honeywell Brand) MUSIC INPUTS - 2CORE, 18AWG, SHIELDED, SOLID, NORDEN (for Honeywell Brand)		ZF-16770
		Reference BOQ#
<b>Supplier Data</b>		
Name: Protection Shield Co.	Address: PO Box 24694 Riyadh 11312 - KSA	
<b>Manufacturer Data</b>		
Name: Norden	Address: UK	
Samples		
Samples Description		
Remarks:		
To be used for:	the whole project location as per approved design drawing and relevant specification.	
	Engr. Mohammed Al Jedda Deputy General Manager	
For Contractor: (Name / Title / Signature / Stamp)		
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. Remarks: ACTION CODE B Approved subject to confirmation of cable specs by approved manufacturer <i>Mujahid Ahmad</i>		
<small>Discipline of submittals made relative to submittals along the review do not include the contractor from compliance with the requirements of the contract documents, drawings, existing fabrication processes and methods of construction, consistency in its work with that of other trades, and performing the work in a safe and satisfactory manner and controlling of quantities and conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>		
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION		
For Engineer's rep. Review By: Eng Mujahid Ahmad <i>Mujahid Ahmad</i> 15-June-2015		Supervisor/Manager: Eng Francesco Clemente <i>Francesco Clemente</i> 15-June-2015
Name: Signature: Date:		Name / Title: Signature: Date:

12  
Engr.

Approved  
16 June 15

K4.COM.002.ver01 Submittal Form-RTCC  
K4.COM.002.V0 Document/Material Submittal





<p><b>NAGA architects designers &amp; planners</b></p> <p><small>Contractor: <u>Horizon Flag</u>      Project <u>Blue Crystal Hotel</u></small></p>	<p><small>Submittal No.:</small> <b>SM-HF(037)</b></p> <p><small>Date:</small> <b>May 11, 2015</b></p>
<b>TRANSMITTAL OF MATERIALS</b>	
<p><b>1. MATERIAL DESCRIPTION :</b> Low Current Cables: Data Network Cable, Fire Alarm, Access Control, Public Address, <u>Fiber Optic</u></p>	
<p><b>Type of Document:-</b></p> <p> <input checked="" type="checkbox"/> Data Sheet                    <input checked="" type="checkbox"/> Catalogue                    <input type="checkbox"/> Certificate                    <input type="checkbox"/> Sample                    <input type="checkbox"/> Test Results             </p> <p>Area of Application: All Project</p> <p>Drawing Ref. : _____ B.O.Q. Ref. No. : _____</p> <p>Specification Ref. : 26 05 32 Standards : _____</p> <p><small>Attached all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.</small></p>	
<p><b>2. MANUFACTURER/SUPPLIER :</b></p> <p>Company Name: <b>NORDEN,NORDATA,FIRENOR,POLYNOR</b></p> <p>Address : <b>Al Khobar</b></p> <p>Local Agent : <b>AMT</b></p>	
<p><b>3. DELIVERY :</b></p> <p>Country of Origin : _____</p> <p>Availability:</p> <p><input type="checkbox"/> Locally Manufactured    <input checked="" type="checkbox"/> Overseas</p> <p>Delivery : Ex-works/ Total Duration <b>8 weeks</b></p> <p style="padding-left: 100px;">Estimated Time of Arrival on Sit <b>20 weeks</b></p> <p>Program : Date Material Required on Site <b>26 weeks</b></p> <p style="padding-left: 100px;">Latest Date for Order _____</p> <p><small>We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.</small></p> <p>Submitted by: <u>أيمن فضل نيسر</u>      Signature: <u>أيمن فضل نيسر</u></p>	
<p><b>4. ENGINEER'S COMMENT:</b></p> <p><i>مراجعة مقادير المواد الواردة في المواصفات الخاصة بالمشروع والتأكد من مطابقتها للمواصفات المطلوبة والتأكد من مطابقتها للمواصفات المطلوبة</i></p> <p style="text-align: center;"><i>Amey</i></p> <p>Signature: <u>Amey</u>      DATE: <b>14/05/2015</b></p>	<p><b>Naga Stamp</b></p> <div style="border: 1px solid black; padding: 5px;"> <p>NAGA - KSA ( )</p> <p>KSA BLDG BUSH BATH COMPANY</p> <p>Construction Department</p> <p>APPROVED <input type="checkbox"/></p> <p>APPROVED AS NOTED <input checked="" type="checkbox"/></p> <p>RE SUBMIT <input type="checkbox"/></p> <p>REJECT <input type="checkbox"/></p> <p>Engineer's Signature: <u>Amey</u></p> <p>Date: <b>14/5/2015</b></p> </div>
<p><small>Approval shall not relieve Contractor of any of his obligations under the Contract or constitute authorization of any change to Contract Documents or variation to the works. Contractor is responsible for dimensions, quantities and coordination with other trades.</small></p>	



Samir Khairallah & Partners  
Architects Planners Engineers

Samir Khairallah & Partners  
Architects Planners Engineers

<b>DHAHRAN MODERN CENTER</b>			
EMPLOYER	Al Hugayet Contracting Establishment		
ENGINEER	Samir Khairallah & Partners		
CONTRACTOR	Saudi Build Company		
DOCUMENT TYPE		<b>MATERIAL APPROVAL REQUEST</b>	
MAR NB	DMC-MW-MAR-ELEC-025	DATE	1/5/2014
MATERIAL DESCRIPTION	STRUCTURED CABLING SYSTEM		Trade
Type of Material	ELECTRICAL	BOO Reference	Section 16770
Drawing Reference		Specification Reference	Division - 16
Location of Use	ALL FLOORS	Technical Literature Attached	X
Sample Attached		Manufacturer	NORDEN
Country of Origin		Local Agent	SAUDI RAMA
Delivery Mode	Land	X	Sea
Anticipated Period of Delivery			Air
The material submitted for approval, along with its compliance sheet has been checked for conformity with drawings and specifications and any deviations noted herein :			
Contractor's Signature	ENGINEER OSAMA JADALLAH (Project manager)		
Date	1/5/2014		
<b>ENGINEER'S NOTES</b>			
<i>Contractor to submit UL certificate for materials</i>			
Status	Approved	A	Approved as Noted
Engineer's Signature	<i>[Signature]</i>		
Date	21/06/2014		
Approval shall not relieve the Contractor of his liabilities under the Contract or constitute authorization of any change to the Contract Documents			

Received on  
Date: 01 MAY 2014  
By: *[Signature]*

Rcvd- 22-6-14



TRANSMITTAL FORM







Action For:		Subject:	
1	<input checked="" type="checkbox"/> Approval	<input type="checkbox"/>	Civil
2	<input type="checkbox"/> Review	<input type="checkbox"/>	Architectural
3	<input type="checkbox"/> Reference	<input type="checkbox"/>	Structural
4	<input type="checkbox"/> Information	<input type="checkbox"/>	HVAC
		<input type="checkbox"/>	Plumbing
		<input checked="" type="checkbox"/>	Electrical
For Contractor's Use:			
<b>Qty</b>	<b>Document / Drawing Title</b>		<b>Action</b>
1 Set	NORDEN CABLE ( RG-6 - Fire Alarm Cable - CAT6 UTP Cable ). SUBMITTAL NO: MES - EE - MA - 21 rev 01		- Certificate.
Name: Ahmed Magdi Nemnem      Signature: <i>Ahmed Magdi</i> Date: 1/4/2014			
For Consultant's Use:			
1	<input checked="" type="checkbox"/> APPROVED.	3	<input type="checkbox"/> REVISE AS NOTED AND RE-SUBMIT.
2	<input type="checkbox"/> APPROVED AS NOTED.	4	<input type="checkbox"/> REJECTED.
<p>COMMENTS: <i>It complies as required in project.</i></p> <p><i>M. Saieem</i> <i>9/4/2014</i></p>			
Name: Eng, Ed Fernandez      Signature: _____      Date: _____			

RECEIVED  
01 APR 2014 *Mf*







 <b>Kingdom of Saudi Arabia</b>		<b>R-IN-10508</b>
<b>Security Planning and Development Agency - KAP4 Project</b>		
 <b>PROGER Engineering &amp; Management</b>		 <b>RTCC</b> Al Rashid Trading & Contracting
Project Name: Dormitories (Al Bersha'a) Project No.: 106 To: Project Manager - Proger Head Office		Submittal No. KAP4 - MAT - 106 - BXXX - TT - 0001 Rev. 5 Date: 9-Mar-15
<b>Document / Material Submittal</b>		
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )		
<b>Item Description</b>		No. of Submittals: 1
TELEPHONE MATERIALS (CATEGORY 3 - 50 PAIR CABLE)		Submittal No. 1
Copies: 1	Document; Material Description	Reference Specs # K&A 16740 Reference BOQ#
<b>Supplier Data</b>		
Name: CONTROL LINKS EST. Address: Riyadh - KSA		
<b>Manufacturer Data</b>		
Name: NORDEN COMMUNICATION UK LTD. Address: London - United Kingdom		
Samples: Telephone Cables, Cat3 cable, 50 pair, 0.63, Jelly Filled	Samples Description: 50 Pair,0.63,JELLY FILLED) - Norden UK 50 X 2 X 0.63 JELLY FILLED CABLE CW 1128 0500M	
Remarks: Material sample with data sheets for approval as additional materials for previous approval Ref. No. KAP4-MAT-106-BXXX-001-R1	To be used for: the whole project location as per approved design drawing and relevant specification.	
		 Eng. Mohammed Al Jedia Deputy General Manager
For Contractor: (Name / Title / Signature / Stamp)		
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. <b>Remarks:</b> ACTION CODE B NORDEN,UK make outdoor 50 Pair 0.63mm dia Cu conductor, Jelly filled CW1128 Telephone Cable is approved.		
Eng. Mujahid Ahmed		
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabric and processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and controlling all quantities and performance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>		
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION		
For Engineer's rep. Review By: Eng Mujahid Ahmed 11-March-2015 Supervisor/Manager: Eng Francisco Clemente 11-March-2015		
Name: _____ Date: _____ Name / Title: _____ Signature / Stamp: _____ Date: _____		

CI "Civil"; ST "Structure"; AR "Architecture"; ME "Mechanical"; EL "Electrical"; DOC "Document"; MAT "Materials"; SUB "Sub-contractor"; SUP "Supplier"; MAN "Manufacturer"





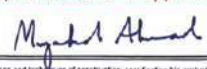
uploaded  
11.3.2015

KING ABDULLAH PROJECT PHASE 4  
RTCC - KAP4  
12 MAR 2015  
Ahmed  
02.45

K4.COM.002.ver01 Submittal Form-RTCC  
AL RASHID TRADING & CONTRACTING CO. LTD.  
RTCC  
12 MAR 2015  
RECEIVED  
ELECTRO-MECHANICAL PROJECTS DIVISION  
K4.COM.002.V0 Document/Material Submittal





 <b>Kingdom of Saudi Arabia</b>		<b>R-IN-10508</b>
<b>Security Planning and Development Agency - KAP4 Project</b>		
 <b>PROGER Engineering &amp; Management</b>		 <b>RTCC</b> Al Rashid Trading & Contracting
Project Name: Dormitories (Riyadh Training City)		Submittal No.
Project No.: 107		Rev. 5
To: Project Manager - Proger Head Office		Date: 9-Mar-15
<b>Document / Material Submittal</b>		
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )		
<b>Item Description</b>		No. of Submittals
TELEPHONE MATERIALS (CATEGORY 3 - 50 PAIR CABLE)		1
		Submittal No.
		1
Copies	Document; Material Description	Reference Specs #
1	TELEPHONE CABLES (50 Pair,0.63,JELLY FILLED) - Norden UK 50 X 2 X 0.63 JELLY FILLED CABLE CW 1128 0500M	K&A 16740 Reference BOQ#
<b>Supplier Data</b>		
Name: CONTROL LINKS EST.		
Address: Riyadh - KSA		
<b>Manufacturer Data</b>		
Name: NORDEN COMMUNICATION UK LTD.		
Address: London - United Kingdom		
Samples: Telephone Cables, Cat3 cable, 50 pair, 0.63, Jelly Filled		
Samples Description: 50 Pair,0.63,JELLY FILLED) - Norden UK 50 X 2 X 0.63 JELLY FILLED CABLE CW 1128 0500M		
Remarks: Material sample with data sheets for approval as additional materials for previous approval Ref. No. KAP4-MAT-107-BXXX-001-R1		
To be used for: the whole project location as per approved design drawing and relevant specification.		Engr. Mohammed Al Jedia Deputy General Manager
For Contractor: (Name / Title / Signature / Stamp)		
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.		
Remarks: ACTION CODE B NORDEN,UK make outdoor 50 Pair 0.63mm dia Cu conductor, Jelly filled CW1128 Telephone Cable is approved.		
		
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming all quantities and conforming with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>		
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION		
For Engineer's rep. Review By: Eng Mujahid Ahmad 11-March-2015		Supervisor/Manager: Eng Francisco Clemente 11-March-2015
Name: Mujahid Ahmad Signature: Date:		Name / Title: Francisco Clemente Signature / Stamp: Date:

CI "Civil", ST "Structure", AR "Architecture", ME "Mechanical", EL "Electrical", DOC "Document", MAT "Material", SUB "Sub-contractor", SUP "Supplier", MAN "Manufacturer"

K4.COM.002.ver01 Submittal Form-RTCC



K4.COM.002.V0 Document/Material Submittal



<b>Kingdom of Saudi Arabia</b>		<b>R-IN-10508</b>
<b>Security Planning and Development Agency - KAP4 Project</b>		
 Ministry of Interior	 PROGER Engineering & Management	 RTCC Al Rashid Trading & Contracting
Project Name:	Dormitories (Eastern Land Road)	Submittal No.
Project No.:	113	KAP4 - MAT - 113 - BXXX - TT - 0001
To:	Project Manager - Proger Head Office	Date:
		9-Mar-15
<b>Document / Material Submittal</b>		
Discipline:	<input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec	
Submitted For:	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use	
Attachments:	<input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify (   )	
<b>Item Description</b>		<b>No. of Submittals</b>
<b>TELEPHONE MATERIALS (CATEGORY 3 - 50 PAIR CABLE)</b>		<b>1</b>
		<b>Submittal No.</b>
		<b>1</b>
<b>Copies</b>	<b>Document; Material Description</b>	<b>Reference Specs #</b>
<b>1</b>	<b>TELEPHONE CABLES (50 Pair,0.63,JELLY FILLED) - Norden UK 50 X 2 X 0.63 JELLY FILLED CABLE CW 1128 0500M</b>	<b>K&amp;A 16740</b> <b>Reference BOQ#</b>
<b>Supplier Data</b>		
Name:	CONTROL LINKS EST.	
Address:	Riyadh - KSA	
<b>Manufacturer Data</b>		
Name:	NORDEN COMMUNICATION UK LTD.	
Address:	London - United Kingdom	
Samples	Telephone Cables, Cat3 cable, 50 pair, 0.63, Jelly Filled	
Samples Description	50 Pair,0.63,JELLY FILLED) - Norden UK 50 X 2 X 0.63 JELLY FILLED CABLE CW 1128 0500M	
Remarks:	Material sample with data sheets for approval as additional materials for previous approval Ref. No. KAP4-MAT-113-BXXX-001-R1	
To be used for:	the whole project location as per approved design drawing and relevant specification.	
		 <b>Eng. Mohammed Al Jedia</b> Deputy General Manager
For Contractor: (Name / Title / Signature / Stamp)		
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.		
<b>Remarks:</b> ACTION CODE B		
NORDEN,UK make outdoor 50 Pair 0.63mm dia Cu conductor, Jelly filled CW1128 Telephone Cable is approved.		
<small>Corrections or comments made relative to submittals during this review do not release the contractor from full compliance with the requirements of the contract's documents, directions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>		
Action:	<input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION	
For Engineer's rep.		
Review By:	Supervisor/Manager:	
Eng Mujahid Ahmed	11-March-2015	Eng Francesco Clemente
Signature:	Date:	Signature / Stamp
		Date


K4.COM.002.ver01 Submittal Form-RTCC



K4.COM.002.V0 Document/Material Submittal







National Guard Health Affairs  
IMAM ABDULRAHMAN BIN FAISAL Hospital  
Projects Field Management Department  
(REQUEST FOR APPROVAL SUBMITTAL)

Submittal No: 717  
Date: 07-06-2015

**Project Title: EXPANSION OF HOSPITAL & CONSTRUCTION OF REHABILITATION & HEMODIALYSIS CENTERS AT LABRHDAMMAM - KSA**

PMO  
Engr. Hassan Al Raghbi

Discipline:  ARCH  CIVIL  ELEC  MECH  Other ...

Technical - Office Manager  
Engr. Muhammad Abd Saliam

Submitted By (Contractor):  
Name: Engr. Muhammad AbouAlmgd  
Signature: Date: *[Signature]*

Received By (NGHA):  
Name: \_\_\_\_\_  
Signature: Date: \_\_\_\_\_

Work to be executed:  
 Shop Drawings  Equipment  Work be executed

Specification Section & Paragraph: \_\_\_\_\_

Country of Origin: \_\_\_\_\_

Manufacture: Norden

Drawing No: \_\_\_\_\_

Action Code: **(B)**

Item No.	Description	Rev.	Qty
1	Low Current Cables (Catalog & Sample) for Fire alarm & public address & master clock & B.M.S & MATV.	1	3

**Comments:** Approved as Noted

For fire alarm system address & master clock **(Beledam)** priority 1. rep request no. 642. priority 2. Norden company. But for M.A.T.V. system and B.M.S. submit another company with Norden company.

**Action by**

Name: Nasser M. bin Al  
Job Title: \_\_\_\_\_  
Signature: *[Signature]*  
Date: 07/06/15

**Received By Contractor Representative**

Name: \_\_\_\_\_  
Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

**AL-NAEEM CONSULTANT**

Name: Engr. Tariq Hajaj  
Job Title: Project Manager  
Signature: *[Signature]*  
Date: \_\_\_\_\_

NOTE: Approval does not release the contractor from his responsibilities in performing the work in accordance with contract scope of work and Specifications.

APPROVAL WITH CONTRACTOR SIGNATURE  
SUBMITTAL REVIEW  
DON'T RESUBMIT **(B)**

B

C/O IC



الفنية  
Alfaneyah

الشركة الفنية لتنفيذ الأعمال الكهروميكانيكية المحدودة  
Electromechanical & Technical Associates Co. Ltd.

Ref.: 1103-L-1/FS/ETA/09/15

Date: SEP 08, 2015

M/s. RIDCO  
RIYADH

Kind Attention : Eng. Mohammed Abdul Muqeeth  
Project Manager

Project : Radission Blu, Riyadh DQ

Subject : Siemens Fire Alarm System Cable Recommendation

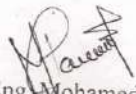
Dear Sir,

With reference to the above said subject we would like to recommend Norden Communication Middle East Fze the following cable as under.

- Riser – 2.5 mm<sup>2</sup> - ( 55-2502RD ) ( FE 180 PH120 Fire Rated Cable SFR Insulation 2C x 2.5 mm<sup>2</sup> ) or equal Approved
- Detection & Signaling Circuit Minimum of 1.5 mm<sup>2</sup> ( 55-1502RD ) ( FE 180 PH120 Fire Rated Cable SFR Insulation 2C x 1.5 mm<sup>2</sup> ) or equal Approved
- Notification Circuit , Speaker Circuit & Fire Fighters Telephone Circuit 1.5 mm<sup>2</sup> ( 55-1502RD ) ( FE 180 PH120 Fire Rated Cable SFR Insulation 2C x 1.5 mm<sup>2</sup> ) or equal Approved

Sincerely yours

Electromechanical & Technical Associates (ETA)  
Siemens Fire Safety & Security Division

  
Eng. Mohamed Faiz  
Sr. Engineer - FAS

مقاولون أعمال كهربائية – ميكانيكية – تكييف مركزي – مصاعد و سلام كهربائية  
Electrical, Mechanical, Central Air Conditioning, Elevator and Escalator Contractors

Head Office : P.O.Box 6591 Jeddah 21452 T: +966 (12) 652 9000 F: +966 (12) 652 9090  
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Branch Office : P.O.Box 268 Madinah T: +966 (14) 839 4000 F: +966 (14) 839 4040  
Branch Office : P.O.Box 20510 Riyadh 11465 T: +966 (11) 472 3888 F: +966 (11) 292 0808  
Branch Office : P.O.Box 3048 Al Khobar 31952 T: +966 (13) 899 4720 F: +966 (13) 899 4670  
www.alfaneyah.com

س.ت. ١٤٣٢١٢ ع.٣٠

رأس المال المدفوع: /- ٢,٤٥٠,٠٠٠ ريال سعودي



MATERIAL APPROVAL SHEET (MAS)

Project : 24 classroom Mixed Basic Education (1-4) At Al-Salha Quriyat

Tender No. : \_\_\_\_\_

Contractor : AL Iklash trading & Engineering services LLC  
 MAS No : E-14 Manufacturer : Norden & Cisco  
 MAS Name : Computer Equipment SUPPLIER(GCC or FOREIGN)\* : Meridian Software Solutions  
 BOQ Ref. : \_\_\_\_\_ Time required at site : As per schedule  
 SPEC.Ref. : \_\_\_\_\_ Sample attached : Yes ( ) No (✓)  
 Drwg.Ref. : \_\_\_\_\_ Certificate /Catalogue : Yes (✓) No ( )  
 B.S.Ref. : \_\_\_\_\_ Assurance of delivery in time : Yes(✓) No ( )

Remarks:.....

Signature:..... Date: 10/08/2015

CONSULTANT : IBN BAWA Engineering Consultants

Above information given by contractor is correct: Yes ( ) No ( )

Required information: [1] psc profile of technical staff att.  
 [2].....  
 [3].....

Material Recommended [  ] Material Rejected [  ]

Material Recommended with comments: As per spec

Signature: \_\_\_\_\_ Name: \_\_\_\_\_ Date: \_\_\_\_\_

(In case the product is non Omani) :Reason:.....

We confirm that there is no local manufacturer available for the proposed product and no alternate local product can meet the requirement for the duty conditions in Oman.

Signature :..... Date:.....

Stamp:

CLIENT : MINISTRY OF EDUCATION, SULTANATE OF OMAN

Material Approved [  ] Material Rejected [  ]

Material Approved with additional comments:

1) provide Table with make Number

2).....

Signature:..... Name: Samsa Date: 18/08/2015 Stamp :.....

\*This will only be considered if local manufacturer for the specified or the alternate product is not available.

M/20/8/15






Project: Construction of (30) Classrooms Mixed Basic Education School (1-4) Al Mabella  
Wilayat Al Seeb, Muscat Governorate

Tender No: 10/2014

CONTRACTOR: Fann Al Bina'a Contracting LLC


MAS No : E/187/15	Manufacturer( Local Only) : NORDEN
MAS Name: Network System	Supplier(GCC or Foreign)* : Meridian Software Solutions
BOQ Ref : 2/89/A	Time required At Site : 2 Months
Spec Ref : 16/1/1600	Certificate Attached : Yes
Drg Ref : EL-06,EL-06	Sample attached : Yes
Remarks :	Assurance of Delivery on time: Yes

Signature :  Name: Nizar Date: 29-07-15  
Stamp

**ENGINEER :**

Above information given by Contractor is correct

Required Information ; 1, *Technical sheets attl.*  
2,  
3,

Material Recommended / Rejected  
Recommended with comments : *As per spec, As per IT Requirement*  
Signature:  Name: *3/15* Date: *As per IT approval sheet*

**IN CASE THE PRODUCT RECOMMENDED IS NON OMANI, Give reason**

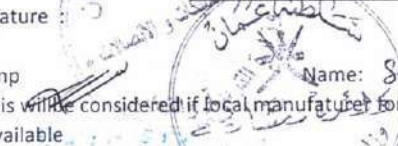
We confirm that there is no local manufacturer available for the proposed product, and no alternate local product can meet the requirement for the condition in Oman. *dry*

Signature :  
Stamp Name: Date:

**EMPLOYER:**

Material : Approved  : Rejected

Approved with additional : 1,  
2,  
3,

Signature :   
Stamp Name: Sameera Date: 9/8/2015  
\* This will be considered if local manufacturer for the specified or alternate product is not available

IBN BAHALA ENGINEERING CONSULTANTS

*M a/k/15*









	Al Arrab Contracting Co. (C.J.S.C)	مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP2 B2	 ARCHITECTS & ENGINEERS PCM
		 Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني	
<b>MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد</b>			
Site No/الموقع رقم: 000	Site Name/أسم الموقع: ALL SITES	Project No./رقم المشروع: K2B2	
Bldg. No./رقم المبنى: 0000	Bldg. Name/أسم المبنى: GENERAL	Location/المكان: ALL	
To/إلى: NKY - Architects & Engineers	Submittal No/رقم التقديم: K2B2-PQ-LC-000-0002-R0	Date & Time / الوقت و: 3, Sept. 2015 03:00 PM	
Attention/عناية: Engr. Yavuz Ghokan- Deputy Project Director	Request Return Date:		
From/من: Engr. Khalil Bouran - Contractor - Project Director			
<b>MATERIALS DETAILS / تفاصيل المادة المقدمة</b>			
Material Description/وصف المادة: Pre-Qualification For Structure Cable			
Standard / Specifications/المواصفات: 16742			
Supplier/Manufacturer/المصنع/المورد: Control Links Est. - Norden Communication UK Ltd.			
Contact Person/المسؤول: Joseph K. John +971502430184			
Address Details/العنوان: PO. Box:325047 , Riyadh- 11371, KSA- Tel: +96614735655, Fax: +96614733031			
Local Agent/الوكالة:			
Contact Person/المسؤول المحلي:			
Address Details/العنوان المحلي:			
Availability/المصدر: Imported/مستورد	Local/محلي	<input checked="" type="radio"/>	Imported/مستورد
Status/التوصيف: Alternative/بدلي	Specified/مؤسف	<input type="radio"/>	Alternative/بدلي
<b>ENCLOSURES / المرفقات</b>			
<input checked="" type="radio"/> Catalogue/كتالوج Technical Data Sheet	<input checked="" type="radio"/> Sample/عينات - 1	<input checked="" type="radio"/> List of Suppliers/قائمة موردين	
<input checked="" type="radio"/> Product Verification/شهادة توثيق	<input checked="" type="radio"/> Comparison Sheet/قائمة مقارنة	<input checked="" type="radio"/> Data Sheet, Approvals, and Test Reports	
Contractor's Note / ملاحظات المقاول:			
Submitted for/الغرض من التقديم: <input checked="" type="checkbox"/> Approval/للاعتناء <input type="checkbox"/> Information/للمعلومية <input type="checkbox"/> Coordination/للتسيق			
Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications). المقاول: عند تعبئة النموذج يشهد المقاول ان الوثائق تتطابق مع مواصفات العقد			
Signature/التوقيع: _____ Date/التاريخ: _____	Signature/التوقيع: _____ Date/التاريخ: 6/9/2015		
Material Eng. العواد مهندس:	Contractor's Representative / ممثل المقاول:		
<b>Engineer : (For Engineer's use only)</b>			
Received by/أسم المستلم: _____	Received Date/تاريخ الإستلام: _____	Received Time/وقت الإستلام: _____	
Engineer Comments/توصيات الإستثماري: Code B (First Alternative) Refer to comments attached. 10/10/2015			
This approval does not relieve the contractor of his responsibility as per the contract.			
Engineer Signature/توقيع الإستشاري: _____	Title/الوظيفة: ACT H.Elec	Date/التاريخ: 15/10/15	
<b>Result:</b>			
<input type="checkbox"/> A- Approved يعتمد	<input checked="" type="checkbox"/> B- Approved as Noted Return Clear Copy يعتمد بملاحظات	<input type="checkbox"/> C- Revise & Resubmit يراجع ويعاد التقديم	<input type="checkbox"/> D- Received for information استلم للمعلومية
<input type="checkbox"/> E- Rejected مرفوض		<input type="checkbox"/> F- No Action بدون اجراء	
Distribution Copy/نسخة	<input type="checkbox"/> MOI	<input type="checkbox"/> NKY	<input type="checkbox"/> CONTRACTOR <input type="checkbox"/> S/C
Al Arrab Contracting Co. (C.J.S.C) KAP2B2 Project 19 OCT 2015			
Document Name: Material Submittal Form	Document Number: ACC-KAP2B-QF-006	Revision No: 01	Revision Date: 23 Nov 2014 Page 1 of 1



			
<b>Client:</b>	Ministry Of Interior - MOI	<b>Project Name:</b>	KAP2 - Phase B
<b>Engineer:</b>	NKY Architects & Engineers - NKY	<b>Reference Submittal / Transmittal:</b>	K2B2 PG LC-00-0002 R0
<b>Contractor:</b>	Al Arab Contracting Co. ( C.J.S.C )	<b>Document Subject:</b>	Material Submittal - Structure Cable
<b>Project Title:</b>	Custodian of Two Holy Mosques the King Abdullah Bin Abdulaziz's Project	<b>Received Date:</b>	7/9/2015
		<b>Project No.:</b>	K2B2
COMMENT SHEET			
Ref.	Comments		
<b>Code B ( First Alternative )</b>			
1	Norden Communication- UK is approved as manufacturer prequalification only		
2	Control Links Est. - KSA is approved as supplier and installer prequalification only		
3	The Manufacturer / Contractor / Supplier and installer shall have joint responsibility and fully comply with the requirements of contract, all related specifications and MTR and fulfill for each item and clarify with statement Comply.		
4	Data Structured cables for use shall be CAT6, Plenum rated and LS0H type, Please verify/provide combined requirements ( Plenum rated and LS0H ) and submit.		
5	The manufacturer/Contractor/Supplier and Installer shall furnished and submit for approval bandwidth calculations to guarantee that proposed network and equipments shall meet satisfied operation of the system.		
6	Color Coding of components for overall IP based systems shall comply with TIA/EIA 568 standards and Saudi Telecom Company.		
7	All system components, Cables, Patch panels, Cabinets, Face plates, Connectors are to be fully warranted for parts and labor as per contract and specifications.		
8	Components and accessories shall be product of single manufacturer to the maximum extent.		
9	Supplier can propose more updated alternatives which fulfill and exceed the minimum functional requirements of this specs. After obtain Engineer approval.		
10	All shop drawings, Cabling, installations, testing and commissioning to be stamped, done and approved by the manufacturer/ supplier / contractor.		
11	The manufacturer/Contractor/Supplier has the sole responsibility to make any design updates not included in design drawings and /or advised by client or engineer without any variation.		
12	Submit Product Certificates : Signed by the manufacturer that products furnished to the contractor comply with requirements.		
13	Submit installer Certificates, Signed by the manufacturer certifying that installer comply with manufacturer requirements for installation.		
14	Submit Product Data: Include details for each component specified, Including data sheets reflecting model number, features, ratings, performance, power requirements, and dimensions.		
15	Submit Sample Board include all system components, cables, patch panels, face plates, connectors. etc.		
16	Submit material submittal for each system independantly.		
17	The operating environment must comply with the environmental specifications ( Ambient Temperature, Storage Temperature, Operating Humidity, Maximum Humidity Gradient ).		
18	All cables and materials must be according to Tender specifications and Minimum Technical Requirements.		
19	The contractor will provide for warranty after hand over for the whole system.		
Issued By: _____ Title _____ Signature _____ Date _____ Eyad H. Ghaith Electrical Engineer  10/16/2015			



Record Reference: **MS/BLD/MEP-07** Rev. No. **01** Date: **19 February 2015**

**Document Transmittal Form**

**Project Details:** Musanada's Project Number: **52420**  
 Project Name: **Al Shwaib Residential Complex**  
 The Engineer: **Tebodin Middle East Ltd.** Contractor: **Nael General Contracting Est.**  
 Trans No: **SHWBRC/TME/MUS/DT-186/HAJ/KAA/KSS** Rev No: **01**

**Subject : Material Submittal for – Telephone System for Villa**

Type: (Tick Applicable)	<input type="checkbox"/> Technical Data	<input type="checkbox"/> Guarantee	<input type="checkbox"/> Certificate	<input type="checkbox"/> Test Result
	<input checked="" type="checkbox"/> Submittals	<input type="checkbox"/> Report	<input type="checkbox"/> Statutory Issues (NOC)	<input type="checkbox"/> Schedules/ Programmes
Attachment	<input type="checkbox"/> Samples	<input type="checkbox"/> Drawings	<input type="checkbox"/> Catalogue	<input type="checkbox"/> CD's
Purpose of Issue (Tick Applicable)	<input type="checkbox"/> FOR INFORMATION	<input checked="" type="checkbox"/> FOR FURTHER ACTION	<input type="checkbox"/> FOR RECORD	<input type="checkbox"/> FOR REVIEW

**Detail :** *Pijun S / Sneepik*  
 We have reviewed the Contractor's submission for the Material Submittal for **Telephone System for Villa** submitted by M/s. Nael in their Transmittal no. SWBRC/NGCE/MUS/DT/237 dated 15<sup>th</sup> February 2015, and we have no comments on the submittal.

Issued By & Signature:  Kifah Al Azawee – Project Manager Tebodin Middle East Ltd.	Issued to/ Received by: Musanada	Receiving Stamp 
Issued By & Signature:  Gerard McGrath – Project Manager Building Construction Management – Musanada	Issued to/ Received by: Rebi Elias – Project Manager Nael General Contracting Est.	Receiving Stamp
Reference Document: (Attach if any relevant documents)		Work Location:(if applicable) Al Shwaib District

**Comments (If Any):**  
 ➤ **No Comments.**  
 The Status of this submission is (A) "Approved".

**Distribution:**  
 Musanada  Engineer  Contractor  
 Note: This document provides information or clarification only. If the Contractor considers the provided information as change to the original Contract, then the Contractor has to obtain the required approval as established in the Condition of Contract.







**Material Submittal Form**

Record Reference: SWBRC/NGCE/MUS/DT/237 REV 01		Date: 15/02/2016
<b>Project Details:</b>		Musanada Project Number: 52420
Project Name: Design, Construction, Complete & Maintenance of Al Shwaib Residential Complex - (186 Villas), Al Ain		
Client: Musanada	Engineer: Tebodin Middle East Ltd.	
Contractor: Nael General Contracting Est.		
IR No: MS / BLD/MEP-07	Rev No : 01	
<b>Discipline</b>	<input type="checkbox"/> Civil	<input type="checkbox"/> Architecture
	<input type="checkbox"/> Mechanical	<input type="checkbox"/> Electrical
	<input type="checkbox"/> Others	

Material Detail		List of Enclosure
<b>Item Description</b>	TELEPHONE SYSTEM FOR VILLA	<input type="checkbox"/> Vendor's Technical Literature * <input type="checkbox"/> Compliance Statement. * <input checked="" type="checkbox"/> Sustainability Compliance. <input type="checkbox"/> Previous Test Results. * <input type="checkbox"/> Copy of the Related Specs. * <input checked="" type="checkbox"/> Samples with Sample Tag. <input type="checkbox"/> List of Previous Projects Done. * <input checked="" type="checkbox"/> Others
<i>Specs. Ref.</i>	SPECIFICATION SECTION I6725	
<i>BOQ. Ref.</i>	B.O.Q 2.11/5 G,H	
<i>Drwg. Ref.</i>		
<b>Material Specified</b>	TELEPHONE SYSTEM AS PER ETISALAT REQUIREMENTS	
<b>Material Proposed</b>	TELEPHONE SYSTEM ; MAKE : NORDEN,UK	
<b>Manufacturer / Local Supplier</b>	NORDEN,UK / NORDEN COMMUNICATIONS MIDDLE EAST FZE	
<b>Reason for Alternative</b>	N/A	
<b>Remarks</b>	Previously approved by ETISALAT	(* Provided in Previous Revision)

We certify that the material submitted herewith has been reviewed in details and in accordance with the Contract Drawing and Specifications except as otherwise stated here above.

**Contractor Signature:**

<b>Discipline Engineer:</b>	QA/ QC	HSE	MEP	<b>Project Manager:</b>
<b>Received By</b>				<b>Date</b>

**The Engineer:**  
 A- Approved     B- Approved with Comment     C- Revise and Resubmit     D- Rejected  
 E- Approved with Comment/Resubmit

**Comments:**

<b>Reviewed By &amp; Signature: (The Engineer)</b>	<b>Approved By &amp; Signature: (The Engineer)</b>
<b>Received By (The Contractor)</b>	<b>Date</b> 22.2.2015

*Note: Engineer's approval is for conformance with information given and design concept expressed in Contract Documents. Approval does not authorize changes to Contract Documents. Engineer's approval does not relieve the Contractor from his contractual obligation to ensure conformance to the Contract Documents/Specifications. Any deviations, to the Specifications/Contract Documents found subsequent to Engineer's approval are to be corrected by the Employer/Engineer at no extra Cost/Time.*

**Distribution:**

<input type="checkbox"/> Musanada	<input type="checkbox"/> Engineer	<input type="checkbox"/> Contractor
-----------------------------------	-----------------------------------	-------------------------------------



<b>CONSULTANT</b> 		<b>CLIENT</b>  مركز الملك سلمان للأبحاث والتأهيل King Salman Center For Disability Research Source: Saudi Press Photo		<b>MAIN CONTRACTOR</b>  RIYADH DEVELOPMENT COMPANY <b>MFP SUB-CONTRACTOR</b> ALFAYHA	
<b>PROJECT</b> Radisson Blu Hotel & Furnished Apartments DQ, Riyadh					
<b>MATERIAL SUBMITTAL</b>					
Ref. No.: <u>MS-E-136</u> <u>RC</u>		Date: <u>07</u> <u>10</u> <u>2015</u>		<input checked="" type="checkbox"/> New Submittal <input type="checkbox"/> Resubmittal	
<input type="checkbox"/> Architectural <input type="checkbox"/> Structural		<input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Mechanical		<input type="checkbox"/> Civil <input type="checkbox"/> Interior Design	
		<input type="checkbox"/> Furniture/Equipment <input type="checkbox"/> Others		Specs No: 16720 Drwg No:	
Description*		Manufacturer		Supplier	
Material Submittal for:  FIRE ALARM CABLE SIZE 2X1.5mm <sup>2</sup> & 2X2.5mm <sup>2</sup>		NORDEN		CONTROL LINKS 3+CD	
* Description: (Manufacture, Model, Type, Size, Colour, etc.)		<input checked="" type="checkbox"/> Catalogue <input type="checkbox"/> Drawing <input checked="" type="checkbox"/> Sample		<input type="checkbox"/> Certificate <input type="checkbox"/> Calculation <input checked="" type="checkbox"/> Document	
Having checked this submittal, we certify that it conforms to the requirements of the Contract Documents in all respects, except as otherwise indicated herein.					
Material Engineer/Name & Signature: <u>Engr. Chakib Saiba</u>			Project Manager/Name & Signature: <u>[Signature]</u>		
Received by: _____ Date: _____ Name & Signature of Consultant: _____					
Remarks / Comments: <p style="font-size: 1.2em; color: blue;">Refer to the attached comments.</p> <p style="text-align: right; color: blue;">RECEIVED 14 OCT 2015 11:30 AM [Signature]</p>					
Status: <input checked="" type="radio"/> A Approved <input type="radio"/> B Approved as noted <input type="radio"/> C Revise & Resubmit. Work shall not proceed <input type="radio"/> D Rejected - Resubmit <input type="radio"/> N No Action					
Consultant Site Office			Consultant Head Office		
Engineer: <u>[Signature]</u>		Project Manager: <u>[Signature]</u>		Date: <u>12-10-15</u>	
Date: <u>7.10.15</u>		Name & Signature: <u>[Signature]</u>		Name & Signature: <u>[Signature]</u>	

RBH Incoming	
Eng:	14-10-2015
Proj. Mgr:	
Site Eng:	
Site Mgr:	
Site Insp:	
Site QA/QC:	
Site Safety:	
Site Health:	
Site Environment:	
Site Security:	
Site Traffic:	
Site Parking:	
Site Equipment:	
Site Materials:	
Site Waste:	
Site Power:	
Site Water:	
Site Gas:	
Site Fire:	
Site Other:	
Project File:	



Radisson Blu Hotel

## DOCUMENT REVIEW FORM

<b>Submittal Type:</b>	MATERIAL SUBMITTAL	<b>Submittal Date:</b> 07 Oct 2015
<b>Submittal Ref. No:</b>	MS-E-136 - R0	<b>Revision:</b> 00
<b>Submittal Title:</b>	Fire Resistant Cable For Fire Alarm System	

*Approval on material submittal for fire alarm cable ( Norden Fire Resistant Type ) as described above is subject to the following :*

1. Cable cross section shall be selected based on the load calculation, and the minim size shall not be less than 1.5 mm<sup>2</sup> ( 16 AWG ).
2. Provide/submit warranty certificate .
3. Use the proper fittings and tools : seals, glands, splicing kit, joints .
4. Submit the certificates of authorized technicians for the cable installation, termination and its testing stages .


**Code "B"**

**Signature:**

**Date:** 07 Oct 2015





<b>KINGDOM OF SAUDI ARABIA</b> General Authority of Civil Aviation King Abdulaziz International Airport				<b>المملكة العربية السعودية</b> الهيئة العامة للطيران المدني مطار الملك عبدالعزيز الدولي		
<b>PROJECT NAME:</b> Replaced Of Fire Alarm System In King Abdul-Aziz (0 - ي - 190 - 15 - ج) International Airport		المشروع : استبدال نظام الإنذار بالحريق والمراقبة الصوتية بمطار الملك عبدالعزيز الدولي (ج - 15 - 190 - س ي - 0)		DATE 23/06/2015		
TRANSMITTAL OF Site Visit Report		<input checked="" type="checkbox"/> NEW SUBMITTAL <input type="checkbox"/> RESUBMITTAL		TRANSMITTAL NO. J140369F - 03L PREVIOUS TRANSMITTAL: (if any)		
<b>I. REQUEST FOR THE REVIEW OF THE FOLLOWING ITEMS (This Section will be initiated by the Contractor)</b>						
TO: GENERAL AUTHORITY OF CIVIL AVIATION (GACA) KINGDOM OF SAUDI ARABIA KING ABDUL AZIZ INTERNATIONAL AIRPORT - JEDDAH		FROM: SELA for Power Automation Safety System (0 - ي - 190 - 15 - ج) RE.: FILE NO. J140369F		CONTRACT NO.:		
<b>SPECIFICATION SECTION NO.:</b> (Cover only one section with each transmittal)						
<b>ADDITIONAL ENCLOSURES TO:</b>						
ITEM NO.	DESCRIPTION OF ITEM SUBMITTED (Type, Size, Model No. etc.)	MFG. OR CONTR. CAT COVER, DRAWING OR BROCHURE NO.	NO. OF COPIES	SPECIFICATION PARA NO.	DRAWING SHEET PLAT OR FILE NO.	FOR ENGINEERS USE ONLY ACTION CODE
1	Approval of Sample Cable <i>Belden cable</i> <i>Norden cable</i> <i>B3 Cable.</i>					
<b>DISTRIBUTION REQUESTED</b> (Attach additional sheet, if necessary)						
NAME AND SIGNATURE OF CONTRACTOR: <i>Rashed Hamden</i>				DATE: 29/6/2015		
<b>II. (THIS SECTION WILL BE USED BY THE REVIEWING AUTHORITY ONLY)</b>						
ENCLOSURE RETURN		NAME, TITLE & SIGNATURE OF REVIEWING AUTHORITY (OWNER'S ENGINEER):				
<b>ACTION CODES: THE FOLLOWING ACTION CODES ARE GIVEN TO ITEMS SUBMITTED (A Code letter will be inserted for each item in column e.g. Section 1 above)</b>						
1. Work May Proceed 2. Revise & Resubmit - Work may proceed subject to incorporation of Changes indicated 3. Revise and Resubmit. Work May Not Proceed 4. Review not required. Work May Proceed.						
<b>NOTE:</b> Review of items does not relieve the Contractor from complying with all the requirements of the Contract Plans and Specifications.						





Emirates Telecommunications  
Corporation - Etisalat  
PO Box 300, Abu Dhabi  
United Arab Emirates

T: (+971) 2 6333111  
W: www.etisalat.ae

هاتفنا: ٢ ٦٣٣٣١١١ (+٩٧)  
موقع الإنترنت: www.etisalat.ae

مؤسسة الإمارات  
للإتصالات-الاتصالات  
ص.ب. ٣٠٠، أبو ظبي  
الإمارات العربية المتحدة



HO/EPA/780066/16  
June 12, 2016

M/s. Norden Communications  
P.O Box. 341072  
Dubai, UAE

**APPROVAL OF MATERIAL FOR FTTH SYSTEM: NORDEN**

Dear Mr. Joseph John,

Reference is made to your application for Product Approval. We are pleased to inform that the following items are provisionally approved for deployment in FTTH Network as specified by the manufacturer, based on the inspection of sample and test certificates provided. Etisalat do not undertake any responsibility towards any damage or hazard caused due to the use of this product.

Sl. No	EPA No	Product Description	Manufacturer
1	780066-1	CAT6 CABLE U/UTP	Norden
2	780066-2	CAT6 Patch Cord U/UTP Plug & Socket	Norden
3	780066-3	CAT6 Patch Cord U/UTP	Norden
4	780066-4	CAT6 KS Jack	Norden

Kindly note that this approval is valid for a period of six months from today. Any misuse of this approval for promoting, supplying or installing counterfeit or inferior product will lead to forfeiture of this approval, legal action or both.

Stamped specification sheets are attached for your reference and further correspondence's.

Best Regards

**Abdulla S Juma**  
Senior Director - D&SHS  
Etisalat Head Office

CC : SVP/CSE, VP/FAN, VP/BS





## CATEGORY 6 U/UTP 4 PAIR CABLE

Norden Category 6 UTP cables exceed Category 6 / Class E specification. It is tested to 250 MHz frequency range and designed to support Gigabit 1000Base-T and 1000Base-Tx applications upto 100m. Norden Category 6 UTP cables are UL listed CM and standard packing are in 305m easy pull out boxes.

Extremely high pair-balance providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to UTP (Unshielded Twisted Pair) cabling systems.

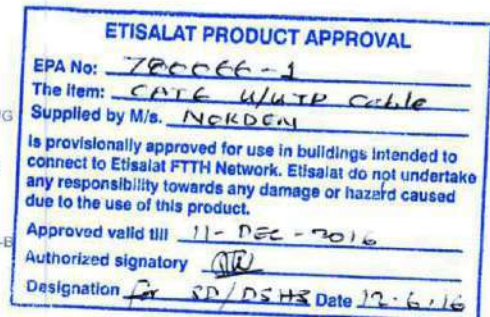


### COMPLIANCE

IEEE 802.3at, IEEE 802.3at for PoE applications  
ANSI/TIA-568-C.2 Category 6  
ISO/IEC-11801, Class E / IEC 61156-5: Category 6.  
LSZH: IEC 60332-1, IEC 60754, IEC 61034

### MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	0.57 mm, 23 AWG
Conductor Construction	Solid
Insulation Material	High Density PE
Insulation Diameter	1.02±0.03 mm
Conductor Unit Identification	Solid/Stripe
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Rip Cord	Yes
Overall Drain-Wire Material	N/A
Overall Drain-Wire Size	N/A
Overall Drain-Wire Construction	N/A
Outer Jacket	PVC, LSZH or Plenum
Outer Jacket Thickness & Ex. Diameter	0.55±0.05 mm, 6.3±0.4 mm
Outer Jacket Colour	Per Requirement
Marking	Per Requirement



www.nordencommunication.com



## CAT 6 U/UTP PLUG & SOCKET TYPE PATCH CORD

Norden Category 6 UTP patch cords are manufactured using high quality unshielded four pair Category 6 stranded cable, and feature cable strain relief boots with a plug type on one end & socket type at the other. This patch cord when used with high performance Norden Category 6 connectivity (solid UTP cable patch panels and work area outlets), provide superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx) applications support.

This is fully backward compatible to Category 5e (Class D) products. Each patch cord is tested with Fluke tester and individual cover include with the report. Norden Category 6 Patch cord is tested for transmission frequencies of up to 250 MHz.



### COMPLIANCE

IEEE 802.3at and IEEE 802.3at for PoE applications  
ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition), IEC 61156-2,  
EN 50173; EN 50288-6-2 Category 6 standard

### DESIGN & MATERIALS

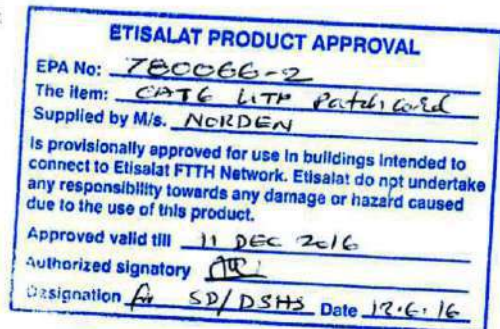
Basic Cable Conductor  
Wire Insulation  
Number Of Insulated Conductors  
Colour Code Of Pairs  
Individual Pair Shield  
Overall Shield  
Drain Wire  
Outer Jacket And Boots  
Jacket And Boot Colour  
Standard Surface Marking  
Cable O.D.  
Bend Radius  
Storage Temperature  
Temperature Operating Range  
Flame Test  
Halogen Content In LSZH Cables  
Wire Scheme

Stranded Bare Annealed Copper  
SFS PE  
8  
Blue x White, Orange x White, Green x White, Brown x White  
Nil  
Nil  
None  
LSZH Low Smoke Zero Halogen or PVC  
Per requirement  
Includes Norden P/N, cable description  
5.7 ± 0.2 mm  
> 23 mm without load  
-20 °C to +80 °C  
-20 °C to +75 °C  
IEC 60332-1  
Null  
T568B

### ELECTRICAL DATA

Impedance @ 1-100 MHz  
Impedance @ 100-250 MHz  
Conductor Resistance  
Contact Resistance  
Resistance Unbalance  
Voltage Rating  
Dielectric Strength  
Ampacity  
Insulation Resistance  
Transfer Impedance  
Pair to Ground Capacitance Unbalance

100 ± 15 Ω  
100 ± 15 Ω  
< 73 Ω/km  
20 MΩ max.  
2 % max.  
72 V dc  
1 KV/min. rms  
1.0 Amps max.  
150 MΩ/Km  
N/A  
3.3 nF/Km nom.



www.nordencommunication.com



## CATEGORY 6 U/UTP PATCH CORD

Norden Category 6 UTP patch cords are manufactured using high quality unshielded four pair Category 6 stranded cable, and feature cable strain relief boots with a plug latch protection cap. This patch cord when used with high performance Norden Category 6 connectivity (solid UTP cable patch panels and work area outlets), provide superior performance capabilities of high bandwidth (Gigabit 1000Base-T and 1000Base-Tx) applications support.

This is fully backward compatible to Category 5e (Class D) products. Each patch cord is tested with Fluke tester and individual cover include with the report. Norden Category 6 Patch cord is tested for transmission frequencies of up to 250 MHz.



### COMPLIANCE

IEEE 802.af and IEEE 802.3at for PoE applications  
ANSI/TIA-568-C.2 and ISO/IEC-11801 (2nd Edition), IEC 61156-2,  
EN 50173; EN 50288-6-2 Category 6 standard

### DESIGN & MATERIALS

Basic Cable Conductor  
Wire Insulation  
Number Of Insulated Conductors  
Colour Code Of Pairs  
Individual Pair Shield  
Overall Shield  
Drain Wire  
Outer Jacket And Boots  
Jacket And Boot Colour  
Standard Surface Marking  
Cable O.D.  
Bend Radius  
Storage Temperature  
Temperature Operating Range  
Flame Test  
Halogen Content In LSZH Cables  
Wire Scheme

Stranded Bare Annealed Copper  
SFS PE  
8  
Blue x White, Orange x White, Green x White, Brown x White  
Nil  
Nil  
None  
LSZH Low Smoke Zero Halogen or PVC  
Per requirement  
Includes Norden P/N, cable description  
5.7 ± 0.2 mm  
> 23 mm without load  
-20 °C to +80 °C  
-20 °C to +75 °C  
IEC 60332-1  
Null  
T568B

### ELECTRICAL DATA

Impedance @ 1-100 MHz  
Impedance @ 100-250 MHz  
Conductor Resistance  
Contact Resistance  
Resistance Unbalance  
Voltage Rating  
Dielectric Strength  
Ampacity  
Insulation Resistance  
Transfer Impedance  
Pair to Ground Capacitance Unbalance

100 ± 15 Ω  
100 ± 15 Ω  
< 73 Ω/km  
20 MΩ max.  
2 % max.  
72 V dc  
1 KV/min. rms  
1.0 Amps max.  
150 MΩ/Km  
N/A  
3.3 nF/Km nom.

**ETISALAT PRODUCT APPROVAL**

EPA No: 780066-3

The Item: CAT 6 UTP patch cord

Supplied by M/s. \_\_\_\_\_

Is provisionally approved for use in buildings intended to connect to Etisalat FTTH Network. Etisalat do not undertake any responsibility towards any damage or hazard caused due to the use of this product.

Approved valid till 11 DEC 2016

Authorized signatory [Signature]

Designation SP/DSSH Date 12.6.16

[www.nordencommunication.com](http://www.nordencommunication.com)

02 43 53 41





## CATEGORY 6 UTP KEYSTONE JACK

Norden Category 6 UTP punch down keystone Jack gives optimum protection from electromagnetic interference from an outside source. These Jacks are designed to reduce the Insertion loss & alien cross talk in order to provide maximum flexibility and high performance for all 10G Ethernet applications and are available in a 90° orientation with back interconnection of Dual Style IDC blocks in universal pin/pair assignment. 90° orientation provides perfect termination. This is tested to 250 MHz range over 100m and supports T568 A&B wiring & easy installation. The Jack is manufactured with an integral cable strain relief. They can be installed into a number of faceplates and unloaded shuttered modules and backward Compatible with category 5e/class D system components.



### COMPLIANCE

IEEE 802.3at, IEEE 802.3af for PoE applications.  
ANSI/TIA/EIA 568AB 2.2001, ISO/IEC11801:2002  
EN50173-2 Category 6 standards

### DESIGN & MATERIALS

Colour	Blue or Others Available Upon Request
Size	35.1 mm X 17.1 mm X 25.2 mm
Rj45 Port	11.8 mm X 9.8 mm
Angle	90 Degree
Temperature- Storage	-40 °C to +70 °C
Temperature- Operation	-10 °C to +65 °C
Housing Material	High Impact, Flame-Retardant Plastic, UL 94 V-0
IDC Type	Dual (1110 Or Krone) Type
IDC Wire Gauge	22-26 AWG, Solid or Stranded
Colour Coding	As Per 568 A/B Standard
Spring Wire	Phosphor Bronze Alloy
IDC	Phosphor Bronze Alloy
Conductor Termination	> 200
Insulation Diameter	0.7-1.6 mm

### STANDARDS

Flammability Rating	UL 94 V-0
Safety Rating	UL 1863

### ELECTRICAL DATA

Current Rating	1.5 A
Insulation Resistance	500 MΩ min 100 Vdc
Voltage Rating	230 V rms Max
Dielectric Voltage	1000 V dc or ac, 60 Hz for 1 min (Contact-Contact)
Plug/Jack Contact Resistance	20 MΩ per contact
Input /Output Resistance	200 MΩ max.
IDC Contact Resistance	< 5 MΩ max

**ETISALAT PRODUCT APPROVAL**

EPA No: 780066-4

The Item: KS JACK CAT 6

Supplied by M/s. NORDEN

Is provisionally approved for use in buildings intended to connect to Etisalat FTTH Network. Etisalat do not undertake any responsibility towards any damage or hazard caused due to the use of this product.

Approved valid till 31 DEC 2016

Authorized signatory [Signature]

Designation A. SD/DSH Date 12.6.16



Emirates Telecommunications  
Corporation - Etisalat  
PO Box 300, Abu Dhabi  
United Arab Emirates

T: (+971) 2 6333111  
W: www.etisalat.ae

هاتف: ٢ ٦٣٣٣١١١ (+٩٧١)  
موقع الإنترنت: www.etisalat.ae

مؤسسة الإمارات  
للاتصالات - اتصالات  
ص.ب. ٣٠٠، أبوظبي  
الإمارات العربية المتحدة



HO/EPA/780063/15  
November 24, 2015

M/s. Norden Communications  
P.O Box. 341072  
Dubai, UAE

**APPROVAL OF MATERIAL FOR FTTH SYSTEM: NORDEN**

Dear Mr. Joseph John,

Reference is made to your application for Product Approval. We are pleased to inform that the following items are approved for deployment in FTTH Network as specified by the manufacturer, based on the inspection of sample and test certificates provided. Etisalat do not undertake any responsibility towards any damage or hazard caused due to the use of this product.

Sl. No	EPA No	Product Description	Supplier
1	780063-1	Fibre Optic Micro ODF	Norden
2	780063-2	Fibre Fast Connector SC/APC	Norden
3	780063-3	Fibre Adapter SC/APC	Norden

Kindly note that this approval is valid for a period of twelve months from today. Any misuse of this approval for promoting, supplying or installing counterfeit or inferior product will lead to forfeiture of this approval, legal action or both.

Stamped specification sheets are attached for your reference and further correspondence's.

Best Regards

**Abdulla S Juma**  
Senior Director - D&SHS  
Etisalat Head Office

CC : SVP/CSE, VP/FAN, VP/BS





## Fibre Optic Micro ODF

OPTINOR

### DESCRIPTION

Norden Micro ODF is a newly developed for FTTH application. This box is very light and compact, especially suitable for protective connection of fibre cables and pigtails in FTTH.

RoHS



### FEATURES

Applicable in the straight through or branch connection of indoor Fibre optical cable  
 Small size, Light Weight, Good appearance  
 Wall mounted with mechanical protection function  
 Maximum fibre Capacity 2 fibres adaptor output 2  
 Available for FC, SC, ST, LC adaptors  
 Hinge and convenient press-pull button Lock design

### APPLICATION

Widely used in FTTH access Network  
 Telecommunication Network  
 CATV Networks  
 Datacommunication Networks  
 Local Area Networks



### DESIGN & MATERIALS

Mounting Type	Wall
Colour	Beige or White
Material	Plastic
Wall Type	Fixed
Cable Port max.	2
Environment Temperature	25 °C - 40 °C
Dimension (H) x (W) x (D)	85mm x 85 mm x 20 mm

NORDEN MICRO ODF FTTH ACCESS NETWORK



# Fast Connector

OPTINOR



## SC FAST CONNECTOR

Norden fast connectors are factory pre-polished, field-installable connectors that completely eliminate the need for hand polishing in the field. These fast connectors are compatible with 0.9mm tight buffer, 2mm & 3mm drop cable. This connector during the installation process does not require any adhesive and curing process. It is possible to rework, so can be reduced the defect rate by worker's connection error.



## COMPLIANCE

TIA/EIA -568-A

## FEATURES

- Easy assembly process
- No polish ,No Epoxy required
- Factory polishing eliminates loss concerns

## APPLICATIONS

Intra-building Backbone , LAN cross connects, Local and Wide Area Networks, Data transmission.  
CATV, MAN, WAN, Test & Measurement, Industry, Medical and Sensors.  
Direct equipment termination.

## SPECIFICATIONS

Fiber Diameter	125 μm
Fiber Cable type	2.0mm,3.0mm drop cable & 0.9mm Tight buffer
Coupling Type	Snap, Push Pull type
Tight buffer diameter	250 μm
Fiber Mode	Single Mode
Insertion Loss	0.3 dB typical
Return Loss	>65 dB (APC)
Tensile Strength ( 20 N )	IL ≤ 0.2dB RL ≤ 5dB
Mechanical durability	IL ≤ 0.2dB RL ≤ 5dB
Temperature	-40 to + 85 °C
Tension	> 50N
Color	Green

## ORDERING INFORMATION

PART NUMBER	DESCRIPTION
37-SSC3	SC/APC Singlemode Fast Connector

**ETISALAT PRODUCT APPROVAL**

EPA No: 780063-2

The item: FAST CONNECTOR SC/APC

Supplied by M/s. Norden

Is provisionally approved for use in buildings intended to connect to Etisalat FTTH Network. Etisalat do not undertake any responsibility towards any damage or hazard caused due to the use of this product.

Approved valid till 23 NOV 2016

Authorized signatory [Signature]

Designation A. SA/D&SH Date 24.11.15

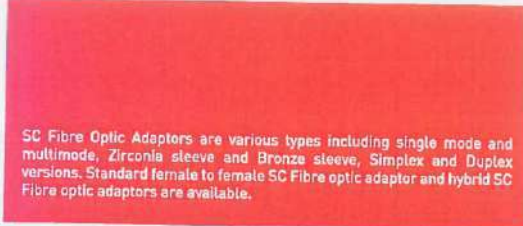
NORDEN PRODUCT CATALOGUE | FIBER OPTIC ACCESSORIES



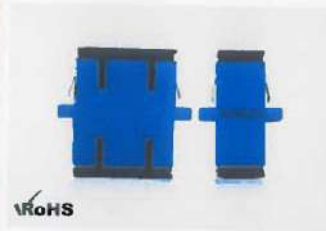
## FIBRE ADAPTOR

OPTINOR

### SC FIBRE OPTIC ADAPTOR



SC Fibre Optic Adaptors are various types including single mode and multimode, Zirconia sleeve and Bronze sleeve, Simplex and Duplex versions. Standard female to female SC Fibre optic adaptor and hybrid SC Fibre optic adaptors are available.



### APPLICATIONS

CATV, Telecommunication networks, LAN Metro networks, Data processing networks Industrial, military and medical

### DESIGN & MATERIALS

Adaptor material	High Impact flame retardant thermoplastic UL94-V0
Capillary diameter tolerance	126 ± 0.5 µm (SM), 127 ± 0.5 µm (MM)
Operating Temperature	-40 °C to +75 °C
Storage Temperature	-40 °C to +85 °C
Mating durability	> 500 Mating Cycles

### ORDERING INFORMATION

Part Number	Description
351-SSCSC	SC Singlemode Simplex Adaptor
351-SSCSC02	SC/APC Singlemode Simplex Adaptor
351-MSCSC	SC Multimode Simplex Adaptor
352-SSCSC	SC Singlemode Duplex Adaptor
352-SSCSC02	SC/APC Singlemode Duplex Adaptor
352-MSCSC	SC Multimode Duplex Adaptor
351-SSCSCSH	SC Singlemode Simplex Shutter Adaptor
351-SSCSC02SH	SC/APC Singlemode Simplex Shutter Adaptor
351-MSCSCSH	SC Multimode Simplex Shutter Adaptor
352-SSCSCSH	SC Singlemode Duplex Shutter Adaptor
352-SSCSC02SH	SC/APC Singlemode Duplex Shutter Adaptor
352-MSCSCSH	SC Multimode Duplex Shutter Adaptor

**ETISALAT PRODUCT APPROVAL**

EPA No: 780063-3

The item: SC/APC Adaptor

Supplied by M/s. Norden

Is provisionally approved for use in buildings intended to connect to Etisalat FTTH Network. Etisalat do not undertake any responsibility towards any damage or hazard caused due to the use of this product.

Approved valid till 23 Nov 2016

Authorized signatory [Signature]

Designation SP/D&S/H Date 24.11.16

### PACKING INFORMATION

Product Type	Packing Length	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
SC Simplex	100 x 5 x 10	Carton Box	12.5	13.5	545 x 260 x 395
SC Duplex	50 x 5 x 10	Carton Box	11.0	12.0	545 x 260 x 395
SC Simplex Shutter	100 x 5 x 10	Carton Box	13.0	14.0	545 x 260 x 395
SC Duplex Shutter	50 x 5 x 10	Carton Box	11.5	12.5	545 x 260 x 395





(112)

<b>PROJECT:</b> TA'AZEEZ TOWER - DAMMAM, KSA	<b>EMPLOYER:</b> TA'AZEEZ REAL ESTATE DEVELOPMENT COMPANY	<b>N°.</b> PBC/EMS-034
<b>ENGINEER:</b> SAMIR KHAIRALLAH & PARTNERS (SKP)	<b>CONTRACTOR:</b> PROJECT BUILD COMPANY(PBC)	<b>Date</b> 04/01/2016

**MATERIAL APPROVAL REQUEST FORM (MAR)**

**Material Description:**  
 Type of Material : Low Current Cables  
 BQ Reference : Div 16  
 Drawing Reference: All Low Current & Fire Alarm Drawings  
 Specification Clause : Div.16 Section 16120, 16470, 16721 )  
 Fixing Location : All Floors TV - 16740

Technical Literature Attached	YES	Architects Planners etc	Yes/No
Sample Attached	YES	Received on	Yes/No
Soft Copy	YES	Date: 01/04/16 By: (Signature)	Yes/No

Manufacturer: **NORDEN**  
 Country of origin: **UK**  
 Local Agent: **SAUDI RAMA**  
 Type of shipment:  Land  Sea  Air  
 Anticipated period of delivery from placing order: 5 Weeks after approval  
 Anticipated period when material to be used on site:

The material submitted for approval has been checked for conformity with drawings and specifications and any deviations noted herein:

Contractor's Representative: Engr Hesham Abo Elmag (Contractor's Representative) Date: 04/01/2016

Engineer's/Project Manager's Comments: Rima Najem BERT 22/01/2016

- \* Data cables CAT6A : shall be LSZH
- \* Coaxial cables : Connecting cables between amplifiers on head end shall have a minimum braid cover of at least 95%
- \* Fiber optic cables : Cables to be loose tube as per specs.
- \* Fire Resistant cables : All evacuation voice speaker and telephone circuits shall use twisted shielded pair.

APPROVED	Approves As Noted	<b>X</b>	REJECTED / RESUBMIT
----------	-------------------	----------	---------------------

Engineer/ Project Manager: Jacques Baraud J Baraud Date: 23/1/2016

Employer's Representative: Hussain M. M. S. S. Date: 24/1/16  
 Approval shall not relieve the Contractor of his liabilities under the Contract or constitute authorization of any change to the Contract Documents

PBC-PD-7.1.1TR-12 Rev-01  
 \* Provide Draft Wording for warranty.

RECEIVED  
25 JAN 2016



KINGDOM OF SAUDI ARABIA  
Ministry of Higher Education  
University of Dammam  
Deanship of Information and  
communications Technology



الجمهورية العربية السعودية  
وزارة التعليم العالي  
جامعة الدمام  
الإتصالات وتقنية المعلومات  
(043)

المرفقات :

التاريخ :

حفظه الله

الي / مدير الجامعة

برف العام على المدينة الجامعية

للام عليكم ورحمة الله وبركاته ،،،

إشارة الى خطابكم رقم 28515 وتاريخ 1437/4/21هـ بشأن المواصفات  
عتمدة لتمديد كوابل شبكة المعلومات وتحديد أسماء بعض الشركات  
عتمدة.

نفيد معاليكم بأنه تم طلب عينات من المنتجات المعتمدة من قبل شركة  
نوردين (NORDEN) لتمديد كوابل الشبكة بالجامعة ومعاينتها فنياً، واتضح  
بأنها ذات جودة عالية.

هذا لاطلاع معاليكم حيال اعتمادها بالمشاريع المستقبلية للجامعة.

وتقبلوا خالص تحياتي وتقديري ،،،

عميد الإتصالات وتقنية المعلومات

د. سعد بن سعيد العمري



المشروع بمعاينة الإتصالات وتقنية المعلومات  
للشعب الإتصالات وتقنية المعلومات





Submittal no -: PBC-KACC-ELEC-MT-45-Rev 00 #1  
Date -: 17 January 2016

### BMS CABLE


Code- B


Comments-


- 1) The BMS system's cable should be from Approved Manufacturer (BMS) Recommended Brand and type as per Contract Specification. Submit the documents from manufacturer with office stamped but not from supplier.
- 2) The Sensor wiring shall be two, three or four wires twisted shielded as per approved manufacturer of BMS system. Submit the Relevant experience certificate with compilation certificates.
- 3) Submit the SASO, Origen certificates and Clint quality approval. Submit two more brand as per manufacturer recommendation for final selection.

Syed Mohammed Azam  
Electrical Engineer  
SOFCO



  
 Hill International

  
 SOFCON

  
 SOFCON

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**SUBMITTAL REVIEW COMMENTS LOG FORM**

REVIEW BY:  SUPERVISION CONSULTANT: SOFCON  OTHER

TYPE OF SUBMITTAL: FOR APPROVAL SUBMITTAL NO.: 15960/16-14 TRANSMITTAL NO.: PBC-KACC-ELEC-INT-45  
REV:00 #1

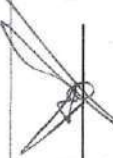
SUBJECT: BMS CABLES FROM NORDEN SUPPLIED BY SAUDI RAMA SUB REVIEW REF: B.M-S cable REVIEW / APPR. STATUS: (B)

Item No.	Title / Reference No. of Document Reviewed	Review Comments	Review Basis (Specify Contract / Specification Clauses)
1	BMS CABLES FROM NORDEN SUPPLIED BY SAUDI RAMA REV:00	See the comments on attached set and comply accordingly	As per Spec 15960 and Quality document

Reviewer Company Name: SOFCON

Main Reviewer's Name: ENG. SYED MOHD AZAM Designation: ELECTRICAL ENG.

Reviewer's Name: \_\_\_\_\_ Designation: \_\_\_\_\_




Signature:  Date: 17-1-2016

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

\*Review Status Legends: A-Approved R-Reviewed As Compliant E-Approved As Noted, Incorporate Comments S-Reviewed As Noted, Incorporate Comments C-Approved With Comments, Revise & Resubmit T-Reviewed With Comments, Revise & Resubmit D-Rejected N-Noted

Submittal Review Ref: \_\_\_\_\_ Page 1 of 1 Doc / Form No: CDD-NRN-PP-02-10-FM Rev.2 Revision Date: 28-Jun-2011



 <b>RTCC</b> شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING & CONTRACTING CO. LTD.		مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب <b>King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</b>		THE ENGINEER  <b>NKY</b> ARCHITECTS & ENGINEERS	
		 Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني			
<b>DOCUMENT SUBMITTAL FORM/ نموذج تقديم مستندات</b>					
Site No./الموقع رقم:	General	Site Name/الموقع اسم:	General	Project No./المشروع رقم:	KAP2C1
Bldg. No./المبنى رقم:	General	Bldg. Name/المبنى اسم:	General	Location/المنطقة:	Jazan & Baha
Description/وصف المستند:	<b>STRUCTURED CABLING SYSTEM (NORDEN - EBTIKAR TECHNOLOGY)</b>				
To / إلى:	NKY - Architects & Engineers -			Submittal No./رقم التقديم:	KAP2C1-PREQ-GEN-EL-0021 (A)
Attention / عناية:	Engr. Yavus Gokhan - NKY PD			Date & Time / التاريخ والوقت:	01 June 2016
From / من:	Engr. Mohd. Al Jedia - Contractor's PD			Return Date / تاريخ الإستلام:	16 June 2016
<b>Type of Submittal / نوع المستند</b>			<b>Discipline / التخصص</b>		
<input checked="" type="checkbox"/>	Pre-qualification / مطابقة الأعمال			<input type="checkbox"/>	General / عام
	Method Statement / طريقة التنفيذ			<input type="checkbox"/>	Architectural / معماري
	Work Prog. & Schedule / برنامج عمل/جدول زمني			<input type="checkbox"/>	Structural / إنشائي
	Product Data/ بيانات المنتج			<input checked="" type="checkbox"/>	Electrical / كهرباء
	Test Reports/Certificates / نتائج إختبارات/ شهادات			<input type="checkbox"/>	Mechanical / ميكانيك
	Others/ أخرى: ( )			<input type="checkbox"/>	Civil / مدني
				<input type="checkbox"/>	Others / أخرى
Enclosures / المرفقات: Compliance Statement, Company Profile, Company Certificates & Partnership Certificates, Project References, Material Data Sheets, Financial Statement and Warranty Certificates					
Submitted for / الغرض من التقديم:		<input checked="" type="checkbox"/> Approval / للأعتماد	<input type="checkbox"/> Information / للمعلومات	<input type="checkbox"/> Coordination / للتنسيق	
Note: By completing this form Contractor certifies that the document complies with contract conditions. المقول: عند تعبئة النموذج يشهد المقول أن الوثائق تتطابق مع مواصفات العقد					
Signature/التوقيع:	Date/التاريخ:	Signature/التوقيع:		Date/التاريخ:	
				01 June 2016	
Prepared by/المهندس المسئول:		Contractor's Representative / ممثل المقول:		Engr. Waheed Mallisho E/M-Procurement Manager	
Received by اسم المستلم:		Received Date تاريخ الإستلام:		Received Time وقت الإستلام:	
				Stamp	
<b>Engineer Comments:</b> توصيات الإستشاري:					
code B (prequalification)				15/6/2016	
Refer to the enclosed comment sheet.					
This approval does not relieve the contractor of his responsibility as per the contract / هذه الموافقة لا تخفي المقول من مسؤوليته حسب متطلبات العقد					
Engineer Signature: توقيع الإستشاري:		Title: For/Elec Head الوظيفة:		Date: 16 JUN 2016 التاريخ:	
Result:		19/6/2016			
<input type="checkbox"/> A- Approved يعتمد	<input checked="" type="checkbox"/> B- Approved as Noted and resubmit for record يعتمد بملاحظات	<input type="checkbox"/> C- Revise & Resubmit يعدّل ويعاد التقديم	<input type="checkbox"/> D- Rejected مرفوض		
Distribution Copy:		<input type="checkbox"/> MCI	<input checked="" type="checkbox"/> NKY	<input type="checkbox"/> CONTRACTOR	<input type="checkbox"/> SITE
Form No. BU10-F106/0		 21 JUN 2016 RECEIVED Date: 1-6-2016 File Name: Preq-Procurement-System			

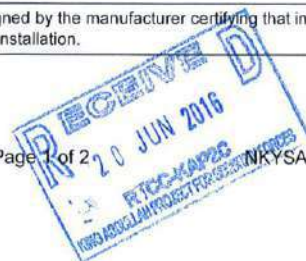




<b>Client:</b>	Ministry of Interior - MOI	<b>Project Name:</b>	KAP2-C1
<b>Engineer:</b>	NKY Architects & Engineers - NKY	<b>Reference Submittal / Transmittal:</b>	KAP2C1-PREQ-GEN-EL-0021(A)
<b>Contractor:</b>	RTCC- EBTTIKAR TECHNOLOGY	<b>Document Subject:</b>	Prequalification for Structured cabling system
<b>Project Title:</b>	Custodian of Two Holy Mosques the King Abdullah Bin Abdulaziz's Project-Phase C	<b>Received Date:</b>	1/6/2016
		<b>Return Date:</b>	15/6/2016

**COMMENT SHEET**





No.	Ref.	Electrical Comments
<b>Code B ( Passive Components )</b>		
1		Norden - UK is approved as manufacturer prequalification only.
2		Ebttikar Technology - KSA is approved as supplier and installer prequalification only.
3	General	The Manufacturer / Contractor / Supplier and Installer shall have joint responsibility and fully comply with the requirements of contract, all related specifications and MTR and fulfill for each item and clarify with statement. For all sites ( Specs. 16742 ). Must COMPLY for final approval with all comments in comment sheet.
4	specs	The Infrastructure Cabling System shall comply with ISO TIA/EIA standards and Saudi Telecom Company.
5	specs	The cabling system must meet the permanent link and channel performance defined in ( ISO 11801:2002 , EN 50173-1:2002 , ANSI/TIA/EIA 568B.2 1:2002 ) or better.
6	specs & MTR	Data Structured cables for use shall be CAT6A, Plenum rated and LS0H type, Please provide combined requirements ( Plenum rated and LS0H ) and submit.
7	specs	The manufacturer/Contractor/Supplier and Installer shall furnished and submit for approval bandwidth calculations to guarantee that proposed network and equipments shall meet satisfied operation of the system.
8	specs	Wiring pattern or color coding of components for overall IP based systems shall be proposed by the contractor according to the applicable standards.
9	specs	Components and accessories shall be product of single manufacturer.
10	specs	All system components, Cables, Patch panels, Cabinets, Face plates, Connectors are to be fully warranted for parts and labor as per contract and specifications.
11	specs	Supplier can propose more updated alternatives which fulfill and exceed the minimum functional requirements of this specs. After obtain Engineer approval.
12	specs	All shop drawings, Cabling, installations, testing and commissioning to be stamped, done and approved by the manufacturer/ supplier / contractor.
13	specs	The manufacturer/Contractor/Supplier has the sole responsibility to make any design updates not included in design drawings and /or advised by client or engineer without any variation.
14	specs	Submit detailed technical submittal for approval including schematic diagram of the project with all the components shown with its part No.
15	specs	Submit Product Certificates : Signed by the manufacturer that products furnished to the contractor comply with requirements.
16	specs	Submit installer Certificates, Signed by the manufacturer certifying that installer comply with manufacturer requirements for installation.



*Handwritten signature*

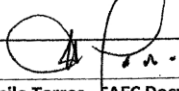
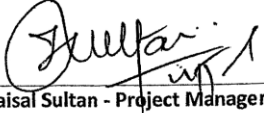





										
17	specs	Submit Product Data: Include details for each component specified, Including data sheets reflecting model number, features, ratings, performance, power requirements, and dimensions.								
18	General	Submit Sample Board include all system components, UTP/ F.O cables, patch panels, face plates, Fixed / Free connectors..etc.								
19	specs	Provide Certificates of compliance with related standards as mentioned in specs. , no certificate is attached for the fiber optic cables / patch cords.								
20	MTR	There shall be three separate structured cabling networks: Network-1: Data/IP telephony systems & C4IS systems. Network-2: Security system Network-3: IPTV system								
21	MTR	Each structured cabling network shall consist of the following: - Main communication cabinets including fiber optic and copper patch panels. - Horizontal communication cabinets including fiber optic and copper patch panels. - Backbone fiber and copper cables. - Horizontal copper cables. - Work area outlet.								
22	specs	The operating environment must comply with the environmental specifications ( Ambient Temperature, Storage Temperature, Operating Humidity, Maximum Humidity Gradient ).								
23	General	Cables and materials must be according to Tender specifications and Minimum Technical Requirements.								
24	General	The contractor will provide for warranty after hand over for the whole system as per project documents.								
25	General	Update and resubmit the missing of the following as per contract and specs. A. Original catalogues B. Valid SASO and Saudization Certificate. C. Submit test reports from third party pertaining the proposed cables ( UTP/F.O/Patch Cords).								
Issued By: <table border="0" style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Name, Surname</u></th> <th style="text-align: left;"><u>Title</u></th> <th style="text-align: left;"><u>Signature</u></th> <th style="text-align: left;"><u>Date</u></th> </tr> </thead> <tbody> <tr> <td>Eyad H. Ghaith</td> <td>Electrical Engineer</td> <td></td> <td>15/06/2016</td> </tr> </tbody> </table>			<u>Name, Surname</u>	<u>Title</u>	<u>Signature</u>	<u>Date</u>	Eyad H. Ghaith	Electrical Engineer		15/06/2016
<u>Name, Surname</u>	<u>Title</u>	<u>Signature</u>	<u>Date</u>							
Eyad H. Ghaith	Electrical Engineer		15/06/2016							






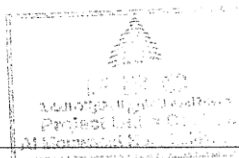
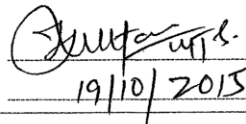


<b>faec</b> fahd alireza engineering consultants مكتب المهندس فهد علي رضا للإستشارات الهندسية		P.O. Box 4549, Al Khobar 31952, Saudi Arabia email: info@faalireza-consultants.com Tel: 766-3-8879895 Fax: 766-3-8873716 Website: www.faalireza-consultants.com			
<b>DOCUMENT TRANSMITTAL</b>					
<b>AL-MOUWASAT HOSPITAL - KHOBAR PROJECT</b>					
TRANSMITTAL NO.: <b>FAEC-PBC-M-T-0009</b>		DATE: <b>19-Oct-2015</b>			
<b>Attention:</b> Engr. Syed Zaghoor Project Manager (PBC Ltd.) MMC Khobar Hospital Project					
<b>From:</b> Engr. Faisal Sultan MS PMP Project Manager Fahd Alireza Engineering Consultants					
<b>Subject:</b> Technical Submittal for Low Current Cables					
<b>DISCIPLINE</b>					
<input checked="" type="checkbox"/> Civil <input type="checkbox"/> Archi'l <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Mech'l <input type="checkbox"/> Telcom <input type="checkbox"/> Struc'l <input type="checkbox"/> Others					
<b>ENCLOSED DOCUMENTS</b>					
No.	Document/Drawing No.	Rev.	Description	Qty.	Action Code
1	PBC-MHK-M-16-044	0	Technical Submittal for Low Current Cables	1	B
<b>DOCUMENTS / DRAWINGS ARE</b>					
<input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved with Comments <input type="checkbox"/> Reviewed <input type="checkbox"/> Reviewed with Comments <input type="checkbox"/> Rejected <input type="checkbox"/> Revise and Resubmit <input type="checkbox"/> Others (Specify) _____					
<b>Consultant Comments if any:</b>  <p style="text-align: center;"><b>Approved with comment.</b>          Low current cables shall comply with the applicable International Standards and Electrical Specifications</p>					
<b>Prepared By:</b>  Danilo Torres - FAEC Document Controller			<b>Date:</b> 19-October-2015		
<b>SUBMITTED BY CONSULTANT</b>			<b>RECEIVE STAMP</b>		
 Engr. Faisal Sultan - Project Manager FAEC  Date: 19/10/2015					
(Please Acknowledge receipt by signing & obtaining a copy of this transmittal)					
Name: _____		Sign: _____		Date: _____	

cc: Project File

FAEC-PBC-M-T-0009.pdf



 	<b>Appendix 1 : Transmittal Format</b> <b>Project Build Co Limited (PBC)</b> <b>Al Mouwsat Hospital – Khobar</b> <b>Project</b> <b>Form #: PBC-PD-7.1.1-TR-12 Rev-01</b>													
<b>Transmittal No: PBC-MHK-M-16-044</b> <b>Rev. No: 0</b> <b>Date: 08-Oct-15</b>														
<b>To: Engr. Faisal Sultan, MS PMP Project Manager (faec)</b>														
<b>From: Engr. Syed Zaghlool Project Manager (PBC Ltd.)</b>														
<b>Subject: TECHNICAL SUBMITTAL FOR LOW CURRENT CABLES FOR APPROVAL</b>														
<b>Action Code</b> A - Approved    B - Approved with comments    C - Revised and Resubmit    D - Rejected    E - No Action Taken														
<b>Type of Document Enclosed</b>														
<input type="checkbox"/> Civil	<input type="checkbox"/> Archi'l	<input checked="" type="checkbox"/> Elect'l												
<input type="checkbox"/> Calculations	<input type="checkbox"/> Reports	<input type="checkbox"/> Vendors Drawing												
<input type="checkbox"/> Procedures	<input type="checkbox"/> Waiver Request	<input type="checkbox"/> Others (Comment Sheet)												
<b>Your Documents / Drawings are:</b>														
<input type="checkbox"/> Civil	<input type="checkbox"/> Archi'l	<input type="checkbox"/> Elect'l												
<input type="checkbox"/> Reviewed	<input type="checkbox"/> Reports	<input type="checkbox"/> Revise and Resubmit												
<input type="checkbox"/> Reviewed with Comments	<input type="checkbox"/> Waiver Request	<input type="checkbox"/> Comments noted on attachment												
<input type="checkbox"/> Action	<input type="checkbox"/> Others (specify)													
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:10%;">Qty.</th> <th style="width:30%;">Ref for Dwg./Specs/BOQ</th> <th style="width:10%;">Item seq. No.</th> <th style="width:40%;">Description / Item</th> <th style="width:10%;">Action Code</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">DIV # 16.31/BILL 2 SEC. 26 05 00</td> <td style="text-align: center;">1</td> <td>                     TECHNICAL SUBMITTAL FOR                      MODERN COMMUNICATION MIDDLE EAST EZT                      PRE-QUALIFICATION SUBMITTAL                       MANUFACTURER: NORDEN                 </td> <td style="text-align: center; font-size: 2em;">B</td> </tr> </tbody> </table>	Qty.	Ref for Dwg./Specs/BOQ	Item seq. No.	Description / Item	Action Code	1	DIV # 16.31/BILL 2 SEC. 26 05 00	1	TECHNICAL SUBMITTAL FOR MODERN COMMUNICATION MIDDLE EAST EZT PRE-QUALIFICATION SUBMITTAL  MANUFACTURER: NORDEN	B	<b>Consultant Comments if any:</b>  			
Qty.	Ref for Dwg./Specs/BOQ	Item seq. No.	Description / Item	Action Code										
1	DIV # 16.31/BILL 2 SEC. 26 05 00	1	TECHNICAL SUBMITTAL FOR MODERN COMMUNICATION MIDDLE EAST EZT PRE-QUALIFICATION SUBMITTAL  MANUFACTURER: NORDEN	B										
<b>SUBMITTED BY CONTRACTOR</b>		<b>CONTRACTORS STAMP</b>		<b>APPROVED BY CONSULTANT</b>										
Engr. Syed Zaghlool, Project Manager PBC Ltd.				Engr. Faisal Sultan, Project Manager (faec)										
Sign: _____ Date: _____				Sign: _____ Date: 19/10/2015										
<b>Received By: (Please acknowledge receipt by signing &amp; returning a copy of this transmittal )</b>														
Name: J. C. CORDITA, JR.		Signature: _____		Date: 8-16-15										





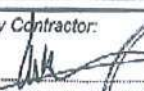
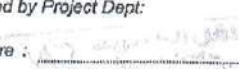
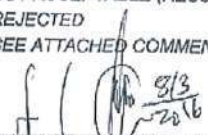
MATERIAL/PRODUCT EVALUATION

MATERIAL/PRODUCT: LOW CURRENT CABLES				MATERIAL/PRODUCT EVALUATION				
S/N	REF. TRANSMITTAL NO.	DIV. NO./SPEC NO.	NAME OF SUPPLIER/MANUFACTURER	BRAND NAME	PREQUALIFICATION DOCUMENTS	PRODUCT CHARACTERISTICS/FEATURES	APPROVAL CODE	REMARKS
1	PBC-MHK-16-045	DIV. 16 SEC. 26 05 00	SAUDI ELECTRONIC TRADING	BEIDEN	1.Specs & Tech. Data 2.Company Profile 3.Divisions 4.Organisation chart 5.Reference list	Low Current Cables	C	Approvals to be submitted.
2	PBC-MHK-16-044		NORDEN COMMUNICATION MIDDLE EAST FZE	NORDEN	1.Introduction letter 2.Company Profile 3.Certificates 4.Test Reports 5-Approvals 6-References 7-Product catalogue 8-Norden Products CD	Low Current Cables	B	Approved with comment:Low current cables shall comply with the applicable international standards and Electrical specifications.
3	PBC-MHK-16-046		AL ABDUKARIM HOLDING COMPANY	MIDDLE EAST SPECIALIZED CABLES CO.(MESC)	1.Company Profile 2.Registin Certificates 3.QA Syst. 4.Ing. Mgmt Sys. 5.Type Test Approvals 6.Cust. Reference list 7-Approvals 8.Orign. Structure 9.Quality 10.Main Projects & Customers 11.Certificates 12.Type Test Certificates 13. Financial Report 14.Product CD	Low Current Cables	B	Approved with comment:Low current cables shall comply with the applicable international standards and Electrical specifications.

*Approved*





<b>SOUTHERN PROJECTS DEPARTMENT</b> Civil & Electromechanical Project Division Address: H.Q. P.O.Box. 616, Abha, KSA Tel: 017-2319158, Fax: 017-2271020		 نقل الكهرباء National Grid SA
<b>REVIEW OF CONTRACTOR'S SUBMITTAL</b>		025351
Submittal No.: AMC-NG/2748/M/223		Revision: Rev 00
Date: 2-Mar-16		
PROJECT TITLE : Construction of Mokhtarah 132/33/13.8 KV S/S		
CONTRACT NO. : 4400002748 BI NO. : PTS No. : 12SN1079		
To : Engr. Ali A. Al Khairi Division Manager Civil & Electromechanical Project Division - South (C&EMPD-SOUTH)	 AL MASHARIQ	
ACCEPTANCE OF THE FOLLOWING SUBMITTAL IS HEREBY REQUESTED (Check Appropriate Box)		
<input type="checkbox"/> Civil <input type="checkbox"/> LV Electrical <input checked="" type="checkbox"/> Electro-Mechanical <input type="checkbox"/> QA/QC/Safety		
<input checked="" type="checkbox"/> Drawings/Sketches <input type="checkbox"/> Materials/Equipment <input type="checkbox"/> Test Reports/Calculations <input type="checkbox"/> Others (Specify)		
FILL-UP APPLICABLE INFORMATION BELOW:		
Description	Submission of Technical Submittal for DDC control cables (4 sets plus soft copy)	
Reference Specification	PTS -12SN1079	
Manufacturer/Supplier	Norden	
Expected Delivery Time	N/A	
COMPLYING WITH SCOPE OF WORK AND TECHNICAL SPECIFICATIONS? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO IF "NO" INDICATE DEVIATIONS : (Provide justification and attach supporting documents)		
Submitted by Contractor:	Received by Project Dept:	
Signature:  Name : Mohammed Kaseir Position : Project Manager Date : 2-Mar-16 (STAMP)	Signature :  Name : Position : Date : 03 MAR 2016 (STAMP)	
<b>FOR OFFICIAL USE ONLY</b>		
SFPD-South has reviewed the above submittal & found it		REMARKS :
<input checked="" type="checkbox"/> ACCEPTABLE <input type="checkbox"/> ACCEPTABLE EXCEPT, AS NOTED <input type="checkbox"/> NOT ACCEPTABLE (RESUBMIT) <input type="checkbox"/> REJECTED <input type="checkbox"/> SEE ATTACHED COMMENTS		
Signature:  Name : Engr. Ali A. Al Khairi Position : Division Manager C&EMPD - SOUTH Ref. #: 3304301-54586-15 Dated: 2-3-2016	Received by Contractor: Signature : Name : Date :	
NOTE : Acceptance does not release the Contractor from his responsibilities in performing the work in strict conformance with Contract, Scope of Work and Technical Specifications.		

*Signature*



<b>NAGA architects designers &amp; planners</b>		Submittal No. T.DOC-RES ( <u>Com E (7</u> )
Contractor: <u>ATTAMEER CO.</u>	Project : <u>PLAZA CONSTRUCTION</u>	Date: <u>04/ 2016</u>
<b>TRANSMITTAL OF DOCUMENTS</b>		
<b>1. SUBJECT DESCRIPTION:</b>		
<b>DATA &amp; TELEPHONE SYSTEMS PASSIVE COMPONENTS</b>		
<b>SAUDI RAMA COMMERCIAL (ADVANCED SECURITY &amp; ELECTRONIC TECHNOLOGIES) .</b>		
Type of Document:- <input checked="" type="checkbox"/> Calculation <input type="checkbox"/> Method <input checked="" type="checkbox"/> Prequalification Area of Application:      Commercial Building		
<b>2. SUBMITTAL DETAILS</b>		
#	Document Description	Ret. Copies
1	<b>SUBMITTAL DATA SHEET</b>	<b>1</b>
2		
3		
4		
5		
6		
7		
8		
9		
10		
These are transmitted for: <input type="checkbox"/> Your Information <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Review and Comment		
We certify that the above documents have been coordinated		
Submitted by: <u>P/M Eng. ASSEM ALRAEE</u>		Signature: <u>[Signature]</u> 25/4/2016
<b>3. CONSULTANT'S COMMENTS:</b>		
تمت مراجعة Easy cab و Norden في نظام الهوائيات المطلوبة (المكونات غير المتكاملة) مع انه يتم تقديم كل ذات الهوائيات و (التي) من عند المورد		
<input type="checkbox"/> Approved <input type="checkbox"/> Approved As Noted <input type="checkbox"/> Resubmit For <input type="checkbox"/> Approval <input type="checkbox"/> Rejected		
Signature: <u>[Signature]</u> <u>Jameh AW.</u>		DATE: <u>26.04.2016</u>
Approval shall not relieve Contractor of any of his obligations under the Contract or constitute authorization of any change to Contract Documents or variation to the works. Contractor is responsible for dimensions, quantities and coordination with other trades.		
		NAGA - KSA ( ) KSA BLU BUSI. PARK-CAMMAM Construction Department APPROVED <input type="checkbox"/> APPROVED AS NOTED <input checked="" type="checkbox"/> RE SUBMIT <input type="checkbox"/> REJECT <input type="checkbox"/> Engineer's S. <u>[Signature]</u> Date: <u>[Date]</u>



المملكة العربية السعودية  
وزارة الشؤون البلدية والقروية  
أمانة المنطقة الشرقية

وكالة التعمير والمشاريع  
إدارة الجودة

الموضوع: بخصوص اعتماد شركتكم كمورد تحصيلات البيانات والجهد المنخفض  
ومستلزمات الشبكات والكابلات الضوئية ومستلزمات أنظمة الأمن والحماية

المحترمين

السادة/ شركة راما السعودية التجارية

ص ب ٤٢٤٤ الخبر ٣١٩٥٢ ت ٠١٣٨٥٩٦٦٣٣ فاكس ٠١٣٨٥٩٦٦٤٤

السلام عليكم ورحمة الله وبركاته

إلحاقاً إلى خطابنا رقم ١٤٣٧/١٣٠١٣ بتاريخ ١٥/٠٤/١٤٣٧هـ بخصوص اعتماد شركتكم لتوريد كابلات البيانات والجهد المنخفض ومستلزمات الشبكات والكابلات الضوئية ومستلزمات أنظمة الأمن والحماية من إنتاج شركة نوردين للاتصالات (Norden communication) البريطانية لمشاريع أمانة المنطقة الشرقية وإلى زيارة الشركة للتأكد من الجودة ومطابقة المواصفات والتي تمت بتاريخ ١٦/٠٤/١٤٣٧هـ وحيث تم إستكمال المستندات المطلوبة للتأهيل .

عليه، نفيديكم بأنه لا مانع من اعتماد شركتكم لتوريد كابلات البيانات والجهد المنخفض ومستلزمات الشبكات والكابلات الضوئية ومستلزمات أنظمة الأمن والحماية من إنتاج شركة نوردين للاتصالات (Norden communication) البريطانية لمشاريع أمانة المنطقة الشرقية بحسب إجراءات الجودة المتبعة لديكم ويمكن التنسيق بين الماولين والشركة على أن يقوم الماولون بتقديم المنتجات المذكورة أعلاه حسب توافقها مع المواصفات لكل مشروع وهذا الاعتماد لمدة سنتين من تاريخه كما يحق للأمانة إلغاء هذا الاعتماد في حالة مخالفة الشروط والمواصفات الفنية.

ولكم تحياتي،،،

مدير إدارة الجودة

م/ خالد بن ناصر السويديان








Hill International		SOFCON			
<b>DOCUMENT SUBMITTAL FORM</b>					
Contract No: 019060097000004			Project Name: KACC-PH-02, DAMMAM		
TITLE: NORDEN FOR DATA/TELEPHONE SYSTEM (SAUDI RAMA & HP PASSIVE PART)		SUBMITTAL NO: PBC-KACC-ELEC-MT-45 REV.01 #2			
TO: ENG. ZIAD AL BASIR SOFCON		REVISION NO. 01		DATE: 13-MAR-2016	
FROM: ENG. IHAB YOUSEF PBC		ORIG. REF:			
ATTN: ENG. ZIAD AL BASIR SOFCON					
<b>TYPE OF SUBMITTAL</b>					
<input type="checkbox"/> SD - Shop Drawings		<input type="checkbox"/> SMP - Samples		<input checked="" type="checkbox"/> PQD - Pre-Qualification	
<input type="checkbox"/> SCE - Programme / Schedule		<input type="checkbox"/> CAL - Calculations		<input type="checkbox"/> OMM - Operating & Maintenance Manuals	
<input type="checkbox"/> ITP - Inspection & Test Plan		<input type="checkbox"/> MCL - Monthly Claims		<input type="checkbox"/> QPP - Quality Plans & Procedures	
<input type="checkbox"/> MST - Method Statement		<input type="checkbox"/> PR - Project Reports		<input type="checkbox"/> CER - Certification, Verification	
<input type="checkbox"/> MPD - Product & Materials Data		<input type="checkbox"/> RMB - Re-Measured BOQ		<input type="checkbox"/> PBW - Bonds, Guarantees, Warranties	
				<input type="checkbox"/> ABD - As Built Drawings <input type="checkbox"/> OTH - Others	
<b>SUBMITTAL DISCIPLINE &amp; DESCRIPTION</b>					
<input type="checkbox"/> C-Civil		<input type="checkbox"/> S-Structural		<input type="checkbox"/> A-Architectural	
<input type="checkbox"/> I-Interior Design		<input type="checkbox"/> T-Sections		<input type="checkbox"/> L-Site Layout / landscape	
		<input checked="" type="checkbox"/> E-Electrical		<input type="checkbox"/> M-Mechanical	
				<input type="checkbox"/> G-General	
				<input type="checkbox"/> O-Coordination	
<b>SPECIFICATION / &amp; BOQ REF:</b>			<b>Location / Use</b>		
16740/ DIV.16			FOR KACC DATA/TELEPHONE SYSTEM		
<b>SUBMITTED FOR</b>					
<input checked="" type="checkbox"/> A-Approval		<input type="checkbox"/> R-Review & Comments		<input type="checkbox"/> Q-As Requested	
		<input type="checkbox"/> I-Information / Records Only		<input type="checkbox"/> N-Action	
				<input type="checkbox"/> O-Others	
Submitted By Contractor's PM: Eng. Ihab Yousef			Signature:		
<b>SOFCON: SUPERVISION CONSULTANT'S COMMENTS</b>					
<input type="checkbox"/> A-Approved		<input checked="" type="checkbox"/> B-Approved As Noted, Work May Proceed - Incorporate Comments & Resubmit Within ..... Days		<input type="checkbox"/> C- Approved With Comments, Work May NOT Proceed, Revise & Resubmit	
<input type="checkbox"/> N-Noted		<input type="checkbox"/> R-Reviewed As Compliant		<input type="checkbox"/> S- Reviewed As Noted, Incorporate Comments	
				<input type="checkbox"/> T- Reviewed With Comments, Revise & Resubmit	
<p>Contractor should strictly comply all part of contract Specification. 16740 and 16715, specialist subcontractors Profile need to Review and approval from consultant. Submit Sample as per contract Specification. Submit 2 more supplies/Manufacture for Ritual Selection.</p> <p>Elec. Eng. Syed Mohd. Azam</p>					
Name: Engr. Ziad Al Basir PM		Signature:		Date: 22-3-2016	
Approval by the Supervision Consultant (Engineer) shall not relieve the Contractor from his obligations to perform the work in accordance with the Contract Documents, Requirement of Safety, and Local Authorities regulations.					
DATE RECEIVED:			DATE RETURNED: 23 MAR 2016		
Page 1 of 1 Doc/Form No: CCC-NNN-PP-02-14-FM Rev.0 Revision Date: 28-Jun-2011					
PBC-PD-7.1.1-TR-12, REV.01					

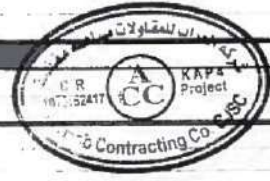




Mat # 9961  
03

A-IN-9428




 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Projec		 PROGER Engineering & Management		 شركة العرب للمقاولات AI Arrab Contracting Co.	
Ministry of Interior		PROGER Engineering & Management		AI Arrab Contracting Co Ltd	
Project Name: General Directorate for Special Security Forces		Submittal No.		Rev.	
Project No.: 117		KAP4 - MAT 117 - BXXX - TT - 0183		1	
To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 28-Mar-2016			
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				No. Submittals: 2	
LOW CURRENT CABLE				Submittal No.: 2 OF 3	
Document; Material Description				Reference Specs #	
1 LOW CURRENT CABLE				Reference BOQ #	
<b>Supplier Data</b>					
Name: NORDEN					
Address: Dubai, United Arab Emirates Tel: +97143926391					
<b>Manufacturers Data</b>					
Name: NORDEN					
Address: UNITED KINGDOM Tel: +44 0 2077887603					
Samples					
Samples Description					
Remarks:					
To be used for: MB, GH, KD, WO1, CW, WO2, WO3, WO4, WB, MG, GA11, GA12, GA13, SB11, SB12, UB, GA, MV, ER11, ER12, ER21, ER22, ER31, ER32, PS				Engr. Majid Hamdalla Project Director	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
Remarks: ACTION CODE B					
Norden make model 01-2304202GN EIB Bus Cable is approved for GDs					
Norden make 112-11001104 GY Category 5e U/UTP 4 Pair cable PVC is not approved for Dorm.					
Submit Norden model 112-11002104X Category 5e U/UTP 4 Pair cable LSZH.					
<small>Comments or remarks made herein to submittals during this review do not constitute the contractor's full compliance with the terms and conditions of the contract documents. Comments covering fabrication processes and methods of construction concerning this work with that of other trades and performing this work in a safe and healthy manner and compliance with applicable laws and regulations with the design concept of the project and general conditions shall also be furnished prior to the submittal documents. The contractor is responsible for the proposed construction. The client is not responsible for any errors.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep.		Supervisor/Manager			
Review By:		Eng. Francesco Clemente			
Eng. Bara Al Maani		12-April-2016		12-April-2016	
Name Signature		Name / Title		Signature / Stamp	



117 to 124



A-IN-9428

 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Projec		 PROGER engineering & management		 شركة العمارة للمقاولات Al Arrab Contracting Co Ltd	
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd	
Project Name: General Directorate for Special Security Forces		Submittal No. KAP4 - MAT - 117 - BXXX - TT - 0163		Rev. 1	
Project No.: 117		Date: 28-Mar-2016			
To: PROJECT DIRECTOR - PROGER HEAD OFFICE					
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				No. Submittals	
LOW CURRENT CABLE				2	
				Submittal No.	
				2 OF 3	
Copies	Document; Material Description			Reference Specs #	
	LOW CURRENT CABLE			Reference BOQ #	
1					
<b>Supplier Data</b>					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>					
Name:		NORDEN			
Address:		UNITED KINGDOM Tel: +44 0 2077887663			
<b>Samples</b>					
Samples Description					
Remarks:					
To be used for: MB, GH, KD, WO1, CW, WO2, WO3, WO4, WB, MG, GA11, GA12, GA13, SB11, SB12, UB, GA, MV, ER11, ER12, ER21, ER22, ER31, ER32, PS				Engr. Majid Hamdalla Project Director For Contractor: (Name / Title / Signature / Stamp)	
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. <b>Remarks:</b> <b>ACTION CODE B</b> Norden make model 81-2304202GN EIB Bus Cable is approved for GDs Norden make 112-11001104 GY Category 5e U/UTP 4 Pair cable PVC is not approved for Dorm. Submit Norden model 112-11002104X Category 5e U/UTP 4 Pair cable LSZH.					
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and complying at all times with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep. Review By: <i>Bara Al Manai</i> 12-April-2016			Supervisor/Manager: <i>Eng Francesco Clemente</i> 12-April-2016		
Eng. Bara Al Manai Name: <i>Bara Al Manai</i> Signature: _____ Date: 12-April-2016		Eng. Francesco Clemente Name / Title: <i>Francesco Clemente</i> Signature / Stamp: _____ Date: 12-April-2016			





A-IN-9428

<b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		<b>PROGER</b> engineering & management	شركة العرب للمقاولات Al Arrab Contracting Co Ltd
Ministry of Interior		PROGER Engineering & Management	Al Arrab Contracting Co Ltd
Project Name: General Directorate for Public Security Forces		Submittal No.	
Project No.: 118		KAP4 - MAT 118 - BXXX - TT - 0163	
To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 28-Mar-2016	
<b>Document / Material Submittal</b>			
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec			
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use			
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)			
<b>Item Description</b>		No. Submittals	2
LOW CURRENT CABLE		Submittal No.	2 OF 3
Copies	Document; Material Description	Reference Specs #	
1	LOW CURRENT CABLE	Reference BOQ #	
<b>Supplier Data</b>			
Name: NORDEN			
Address: Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>			
Name: NORDEN			
Address: UNITED KINGDOM Tel: +44 0 2077887663			
Samples			
Samples Description			
Remarks:			
To be used for: MB, GH, KD, WO1,WO2, AD, WO4, WB, MG, GA11, GA12, GA13 SB11, SB12, UB, GA, MV, ER11,ER12, ER21, ER22, ER31, ER32, PS		Engr. Majid Hamdalla Project Director	
For Contractor: (Name / Title / Signature / Stamp)			
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.			
Remarks: <b>ACTION CODE B</b> Norden make model 81-2304202GN EIB Bus Cable is approved for GDs Norden make 112-11001104 GY Category 5e U/UTP 4 Pair cable PVC is not approved for Doms. Submit Norden model 112-11002104X Category 5e U/UTP 4 Pair cable LSZH.			
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and consulting all quantities and conformances with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>			
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION			
For Engineer's rep. Review By:		Supervisor/Manager:	
Eng. Bara Al Manni Name: <i>Bara Al Manni</i> Date: 12-April-2016		Eng. Francesco Clemente Name / Title: <i>Francesco Clemente</i> Date: 12-April-2016	

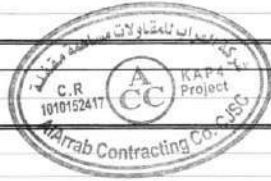






A-IN-9428

<b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		<b>PROGER</b> engineering & management	شركة العرب للمقاولات Al Arrab Contracting Co
Ministry of Interior		PROGER Engineering & Management	AI Arrab Contracting Co Ltd
Project Name: General Directorate for Building Security		Submittal No.	
Project No.: 119		KAP4 - MAT - 119 - BXXX - TT - 0163	
To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 28-Mar-2016	
<b>Document / Material Submittal</b>			
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec			
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use			
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)			
<b>Item Description</b>		No. Submittals	2
LOW CURRENT CABLE		Submittal No.	2 OF 3
Copies	Document; Material Description	Reference Specs #	
1	LOW CURRENT CABLE	Reference BOQ #	
<b>Supplier Data</b>			
Name: NORDEN			
Address: Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>			
Name: NORDEN			
Address: UNITED KINGDOM Tel: +44 0 2077887663			
Samples			
Samples Description			
Remarks:			
To be used for: MB, GH, KD, WO1, CW, WO2, WO4, WB, MG, GA11, GA12, GA13 SB11, SB12, UB, GA, MV, ER11, ER12, ER21, ER22, ER31, ER32, PS			
			Engr. Majid Hamdalla Project Director
For Contractor: (Name / Title / Signature / Stamp)			
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.			
Remarks: <b>ACTION CODE B</b> Norden make model 81-2304202GN EIB Bus Cable is approved for GDs. Norden make 112-11001104 GY Category 5e U/UTP 4 Pair cable PVC is not approved for Dorm. Submit Norden model 112-11002104X Category 5e U/UTP 4 Pair cable LSZH.			
Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques, of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming to all quantities and conformances with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.			
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION			
For Engineer's rep.		Supervisor/Manager:	
Review By: <i>Bara Al Mamm</i>		Eng Francesco Clemente	
Name: Bara Al Mamm		Name / Title: Eng Francesco Clemente	
Signature: <i>Bara Al Mamm</i>		Signature / Stamp: <i>Francesco Clemente</i>	
Date: 12-April-2016		Date: 12-April-2016	



CI "Civil", ST "Structure", AR "Architecture", ME "Mechanical", EL "Electrical", DOC "Document", MAT "Materials", SUB "Sub-contractor", SUP "Supplier", MAN "Manufacturer"





A-IN-9428

<b>Kingdom of Saudi Arabia</b> <b>Security Planning and Development Agency - KAP4 Project</b>		<b>PROGER</b> <small>ENGINEERING &amp; MANAGEMENT</small>		<b>شركة العرب للمقاولات</b> <small>AI Arab Contracting Co</small>	
Ministry of Interior		PROGER Engineering & Management		AI Arab Contracting Co Ltd	
Project Name: Sport Training Center Building		Submittal No.:		Rev.:	
Project No.: 120		KAP4 - MAT - 120 - BXXX - TT - 0163		1	
To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 28-Mar-2016			
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification					
<input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				No. Submittals	
LOW CURRENT CABLE				2	
				Submittal No.	
				2 OF 3	
Copies	Document; Material Description			Reference Specs #	
	1	LOW CURRENT CABLE			Reference BOQ #
<b>Supplier Data</b>					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>					
Name:		NORDEN			
Address:		UNITED KINGDOM Tel: +44 0 2077887663			
<b>Samples</b>					
Samples Description					
Remarks:					
<b>To be used for:</b> MB, TE, UB, MG, GR				Engr. Majid Hamdalla Project Director 	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes, Remarks and return to Contractor. <b>Remarks:</b> <span style="color: red;">ACTION CODE B</span> Norden make model 81-2304202GN EIB Bus Cable is approved for GD. Norden make 112-11001104 GY Category 5e U/UTP 4 Pair cable PVC is not approved for GD. Submit Norden model 112-11002104X Category 5e U/UTP 4 Pair cable LSZH.					
<small>Concisions or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and complying all quantities and performance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
<b>Action:</b> <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep. Review By:			Supervisor/Manager:		
Eng. Bara Al Manai		12-April-2016		Eng Francesco Clemente	
Name:		Date:		Name / Title:	
Signature:		Date:		Signature / Stamp	



CI "Civil", SI "Structure", AR "Architecture", ME "Mechanical", EL "Electrical", DOC "Document", MAT "Materials", SUB "Sub-contractor", SUP "Supplier", MAN "Manufacturer"



A-IN-9428

<b>Kingdom of Saudi Arabia</b> <b>Security Planning and Development Agency - KAP4 Project</b>		<b>PROGER</b> engineering & management		شركة العرب للمقاولات Al Arrab Contracting Co	
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd	
Project Name: Sport Training Center Building		Submittal No. KAP4 - MAT - 121 - BXXX - TT - 0163		Rev. 1	
Project No.: 121		To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 28-Mar-2016	
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				No. Submittals	2
LOW CURRENT CABLE				Submittal No.	2 OF 3
Copies	Document; Material Description			Reference Specs #	
	1	LOW CURRENT CABLE			Reference BOQ #
<b>Supplier Data</b>					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>					
Name:		NORDEN			
Address:		UNITED KINGDOM Tel: +44 0 2077887663			
<b>Samples</b>					
Samples Description					
Remarks:					
To be used for:		Engr. Majid Hamdalla Project Director			
MB, TE, UB, MG, GR		For Contractor: (Name / Title / Signature / Stamp)			
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
Remarks: <b>ACTION CODE B</b>					
Norden make model 81-2304202GN EIB Bus Cable is approved for GDs.					
Norden make 112-11001104 GY Category 5e U/UTP 4 Pair cable PVC is not approved for Dm.					
Submit Norden model 112-11002104X Category 5e U/UTP 4 Pair cable LSZH.					
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming all quantities and conformances with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT					
<input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep.			Supervisor/Manager:		
Review By: Eng. Bara Al Machi		Date: 12-April-2016		Eng Francesco Clemente	
Name: Bara Al Machi		Signature: [Signature]		Name / Title: Francesco Clemente	
Date: 12-April-2016		Signature / Stamp: [Signature]		Date: 12-April-2016	

K4.COM.002.V0 Document/Material Submittal



A-IN-9428

<b>Kingdom of Saudi Arabia</b> <b>Security Planning and Development Agency - KAP4 Project</b>		 شركة العربية للتعاقدات Al Arrab Contracting Co. Ltd
 PROGER Engineering & Management		AI Arrab Contracting Co Ltd
Ministry of Interior		AI Arrab Contracting Co Ltd
Project Name: Sport Training Center Building		Submittal No.
Project No.: 122		KAP4 - MAT - 122 - BXXX - TT - 0163
To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 28-Mar-2016
<b>Document / Material Submittal</b>		
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)		
<b>Item Description</b>		No. Submittals: 2
LOW CURRENT CABLE		Submittal No.: 2 OF 3
Copies	Document; Material Description	Reference Specs #
1	LOW CURRENT CABLE	Reference BOQ #
<b>Supplier Data</b>		
Name: NORDEN		
Address: Dubai, United Arab Emirates Tel: +97143926391		
<b>Manufacture Data</b>		
Name: NORDEN		
Address: UNITED KINGDOM Tel: +44 0 2077887663		
<b>Samples</b>		
Samples Description		
Remarks:		
To be used for: MB, TE, UB, MG, GR		Engr. Majid Hamdalla Project Director
For Contractor: (Name / Title / Signature) Stamp		
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.		
Remarks: <b>ACTION CODE B</b> Norden make model 81-2304202GN EIB Bus Cable is approved for GDs. Norden make 112-11001104 GY Category 5e U/UTP 4 Pair cable PVC is not approved for DOW. Submit Norden model 112-11002104X Category 5e U/UTP 4 Pair cable LSZH.		
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming all quantities and conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>		
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION		
For Engineer's rep.		Supervisor/Manager:
Review By: Eng. Bara Al Madni		Eng. Francesco Clemente
Name: Bara Al Madni		Name / Title: Francesco Clemente
Date: 12-April-2016		Signature / Stamp: [Signature]
Date: 12-April-2016		Date: 12-April-2016




CI "Civil"; ST "Structure"; AR "Architecture"; ME "Mechanical"; EL "Electrical"; DOC "Document"; MAT "Materials"; SUB "Sub-contractor"; SUP "Supplier"; MAN "Manufacturer"

K4 COM.002.V0 Document/Material Submittal





A-IN-9428

 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		 PROGER ENGINEERING & MANAGEMENT		 شركة العرب للمقاولات Al Arrab Contracting Co	
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd	
Project Name: DORMITORIES		Submittal No. KAP4 - MAT - 123 - BXXX - TT - 0163		Rev. 1	
Project No.: 123		To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 28-Mar-2016	
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
Item Description				No. Submittals	
LOW CURRENT CABLE				2	
				Submittal No.	
				2 OF 3	
Copies	Document; Material Description			Reference Specs #	
	1	LOW CURRENT CABLE			Reference BOQ #
<b>Supplier Data</b>					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>					
Name:		NORDEN			
Address:		UNITED KINGDOM Tel: +44 0 2077887663			
<b>Samples</b>					
Samples Description					
Remarks:					
<b>To be used for:</b> HO1, HO2, HO3, HO4, HO5, HO6, HO7, HO8, HO9, HO10, ER1, ER2, ER3, ER4, GA1, GA2, PH					
				Engr. Majid Hamdalla Project Director	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
<b>Remarks: ACTION CODE B</b> Norden make model 81-2304202GN EIB Bus Cable is approved for GDs. Norden make 112-11001104 GY Category 5e U/UTP 4 Pair cable PVC is not approved for Do Submit Norden model 112-11002104X Category 5e U/UTP 4 Pair cable LSZH.					
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming to all quantities and conformances with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep. Review By: Eng. Bara Al Marini Name: <i>Bara Al Marini</i> Date: 12-April-2016			Supervisor/Manager: Eng Francesco Clemente Name / Title: <i>Francesco Clemente</i> Signature / Stamp: <i>[Signature]</i> Date: 12-April-2016		




CI "Civil"; ST "Structure"; AR "Architecture"; ME "Mechanical"; EL "Electrical"; DOC "Document"; MAT "Materials; SUB "Sub-contractor; SUP "Supplier"; MAN "Manufacturer".

K4.COM.002.V0 Document/Material Submittal





A-IN-9428

 <b>Kingdom of Saudi Arabia</b> <b>Security Planning and Development Agency - KAP4 Project</b>		 <b>PROGER</b> ENGINEERING & MANAGEMENT		 شركة العرب للمقاولات Al Arrab Contracting Co	
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd	
Project Name: DORMITORIES		Submittal No.		Rev.	
Project No.: 124		KAP4 - MAT - 124 - BXXX - TT - 0163		1	
To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 28-Mar-2016			
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				No. Submittals	
LOW CURRENT CABLE				2	
				Submittal No.	
				2 OF 3	
Copies	Document; Material Description			Reference Specs #	
	LOW CURRENT CABLE			Reference BOQ #	
<b>Supplier Data</b>					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>					
Name:		NORDEN			
Address:		UNITED KINGDOM Tel: +44 0 2077887663			
<b>Samples</b>					
<b>Samples Description</b>					
<b>Remarks:</b>					
<b>To be used for:</b> HO1, HO2, HO3, HO4, HO5, HO6, HO7, HO8, HO9, HO10, ER1, ER2 ER3, ER4, GA1, GA2, PH				Engr. Majid Hamdalla Project Director	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
<b>Remarks:</b> <b>ACTION CODE B</b> Norden make model 81-2304202GN EIB Bus Cable is approved for GD. Norden make 112-11001104 GY Category 5e U/UTP 4 Pair cable PVC is not approved for Do <i>Majid Almadani</i> Submit Norden model 112-11002104X Category 5e U/UTP 4 Pair cable LSZH.					
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction; coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming all quantities and conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
<b>Action:</b> <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep.			Supervisor/Manager:		
Review By:		Eng. Francisco Clemente			
Name: <i>Bara Al Madani</i>		Date: 12-April-2016		Signature / Stamp: <i>Francisco Clemente</i>	
Name: <i>Bara Al Madani</i>		Date: 12-April-2016		Signature / Stamp: <i>Francisco Clemente</i>	




K4.COM.002.V0 Document/Material Submittal







R-IN-17517

 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		 <b>PROGER</b> engineering & management		 <b>RTCC</b> Al Rashid Trading & Contracting	
Ministry of Interior		PROGER Engineering & Management		Al Rashid Trading & Contracting	
Project Name: Sports Training Center (Makkah Al Shara'a)		Submittal No.		Rev.	
Project No.: 101		KAP4 - MAT 101 BXXX - TT - 0040		0	
To: Project Manager - Proger Head Office		Date:		30-Nov-2015	
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )					
<b>Item Description</b>				No. of Submittals <b>2</b>	
<b>BMS Cables (As per BMS Manufacturer's Recommendation)</b>				Submittal No. 1/2	
Document; Material Description				Reference Specs #	
1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH				15960	
				Reference BOQ#	
<b>Supplier Data</b>					
Name:		Control Links Est.			
Address:		P.O. Box 325047 Riyadh 11371 K.S.A.			
<b>Manufacturer Data</b>					
Name:		NORDEN			
Address:		UK			
Samples		As per Material Description			
Samples Description		As per Material Description			
Remarks:		ALL Kap4 Project Building			
To be used for:		Engr. Mohammed Al Jedia Deputy General Manager			
		For Contractor: (Name / Title / Signature / Stamp)			
Engineer's Rep. to enter Action Codes, Remarks and return to Contractor.					
<b>Remarks:</b> NORDEN UK made cables are approved subject to our comments on the attached sheet.					
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and complying with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep.			Supervisor/Manager:		
Review By: Eng Mujahid Ahmad 06-Dec-2015			Eng Francesco Clemente 06-Dec-2015		
Name: Signature:			Name / Title Signature / Stamp Date		

CI "Civil"; ST "Structure"; AR "Architecture"; ME "Mechanical"; EL "Electrical"; DOC "Document"; MAT "Materials"; SUB "Sub-contractor"; SUP "Supplier"; MAN "Manufacturer"


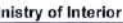







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K4.COM.002.V0 Document/Material Submittal



R-IN-17517

 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project			
 Ministry of Interior		 PROGER Engineering & Management	
 Al Rashid Trading & Contracting			
Project Name: General Directorates of Admin Investigation		Submittal No. KAP4 - MAT - 102 - BXXX - TT - 0040	
Project No.: 102		Rev. 0	
To: Project Manager - Proger Head Office		Date: 30-Nov-15	
<b>Document / Material Submittal</b>			
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec			
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use			
Attachments: <input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )			
<b>Item Description</b>		No. of Submittals	2
<b>BMS Cables (As per BMS Manufacturer's Recommendation)</b>		Submittal No.	1 / 2
Copies	Document; Material Description		Reference Specs #
	1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH		15960
1			Reference BOQ#
<b>Supplier Data</b>			
Name: Control Links Est.		Address: P.O. Box 325047 Riyadh 11371 K.S.A.	
<b>Manufacturer Data</b>			
Name: NORDEN		Address: UK	
Samples: As per Material Description		Samples Description: As per Material Description	
Remarks:			
To be used for: ALL Kap4 Project Building			
For Contractor: (Name / Title / Signature / Stamp)			
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.			
<b>Remarks:</b>			
NORDEN UK made cables are approved subject to our comments on the attached sheet.			
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>			
<b>Action:</b> <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION			
For Engineer's rep. Review By:		Supervisor/Manager:	
Eng. Mujahid Ahmad		Eng. Francesco Clemente	
Date: 06-Dec-2015		Date: 06-Dec-2015	
Signature: 		Signature / Stamp: 	

CI "Civil"; ST "Structure"; AR "Architecture"; ME "Mechanical"; EL "Electrical"; DOC "Document"; MAT "Materials"; SUB "Sub-contractor"; SUP "Supplier"; MAN "Manufacturer"








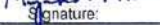

K4.COM.002.ver01 Submittal Form-RTCC

K4.COM.002.V0 Document/Material Submittal





R-IN-17517

 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		 <b>PROGER</b> Engineering & Management		 <b>RTCC</b> Al Rashid Trading & Contracting	
Project Name: <b>General Directorates of Technical Affairs</b>		Submittal No.		Rev.	
Project No.: <b>103</b>		<b>KAP4 - MAT - 103 - BXXX - TT - 0040</b>		<b>0</b>	
To: <b>Project Manager - Proger Head Office</b>		Date: <b>30-Nov-15</b>			
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )					
<b>Item Description</b>				No. of Submittals	<b>2</b>
<b>BMS Cables (As per BMS Manufacturer's Recommendation)</b>				Submittal No.	<b>1 / 2</b>
Copies	Document; Material Description			Reference Specs #	
1	1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH			15960	
				Reference BOQ#	
<b>Supplier Data</b>					
Name:		Control Links Est.			
Address:		P.O. Box 325047 Riyadh 11371 K.S.A.			
<b>Manufacturer Data</b>					
Name:		NORDEN			
Address:		UK			
Samples		As per Material Description			
Samples Description		As per Material Description			
Remarks:					
<b>To be used for:</b>		ALL Kap4 Project Building		Engr. Mohammed Al Jedia Deputy General Manager	
				For Contractor: (Name / Title / Signature / Stamp)	
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. <b>Remarks:</b> NORDEN UK made cables are approved subject to our comments on the attached sheet.					
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents. Reviewers select fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming to all quantities and conformances with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
<b>Action:</b> <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep. Review By: Eng Mujahid Ahmed  06-Dec-2015			Supervisor/Manager: Eng Francesco Clemente  06-Dec-2015		
Name: Mujahid Ahmed		Date: 06-Dec-2015		Name / Title: Eng Francesco Clemente	
Signature: 		Date: 06-Dec-2015		Signature / Stamp: 	

K4.COM.002.ver01 Submittal Form-RTCC

K4.COM.002.V0 Document/Material Submittal





R-IN-17517

Kingdom of Saudi Arabia			
Security Planning and Development Agency - KAP4 Project			
Ministry of Interior	PROGER Engineering & Management	Al Rashid Trading & Contracting	
Project Name:	General Directorates of Border Guard	Submittal No.	Rev.
Project No.:	105	KAP4 - MAT - 105 - BXXX - TT - 0040	0
To:	Project Manager - Proger Head Office	Date:	30-Nov-15
Document / Material Submittal			
Discipline:	<input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For:	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments:	<input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification		
	<input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )		
Item Description			No. of Submittals
BMS Cables (As per BMS Manufacturer's Recommendation)			2
			Submittal No.
			1 / 2
Copies	Document; Material Description	Reference Specs #	
1	1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH	15960	
		Reference BOQ#	
Supplier Data			
Name:	Control Links Est.		
Address:	P.O. Box 325047 Riyadh 11371 K.S.A.		
Manufacturer Data			
Name:	NORDEN		
Address:	UK		
Samples	As per Material Description		
Samples Description	As per Material Description		
Remarks:			
To be used for:	ALL Kap4 Project Building		Engr. Mohammed Al Jedia Deputy General Manager
For Contractor: (Name / Title / Signature / Stamp)			
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.			
<b>Remarks:</b>			
NORDEN UK made cables are approved subject to our comments on the attached sheet.			
<small>Corrections or comments made relative to submittals during this review do not release the contractor from full compliance with the requirements of the contract's documents, dimensions, tolerances, fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and consulting all quantities and conformances with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>			
<b>Action:</b>	<input type="checkbox"/> A APPROVED AS SUBMITTED	<input checked="" type="checkbox"/> B APPROVED AS NOTED	<input type="checkbox"/> C REVISE AND RESUBMIT
	<input type="checkbox"/> D REJECTED	<input type="checkbox"/> E FOR INFORMATION	
For Engineer's rep.		Supervisor/Manager:	
Review By:			
Eng. Mujahid Ahmad	06-Dec-2015	Eng. Francesco Clemente	06-Dec-2015
Name:	Signature:	Name / Title	Signature / Stamp
CI "Civil"; SI "Structure"; AR "Architecture"; ME "Mechanical"; EL "Electrical"; DOC "Document"; MAT "Materials; SUB "Sub-contractor; SUP "Supplier"; MAN "Manufacturer"			




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K4.COM.002.V0 Document/Material Submittal





R-IN-17517

 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		 <b>PROGER</b> Engineering & Management		 <b>RTCC</b> Al Rashid Trading & Contracting	
Project Name: Sports Training Center (Najaran) Project No.: 108 To: Project Manager - Proger Head Office		Submittal No. KAP4 - MAT - 108 - BXXX - TT - 0040 Date: 30-Nov-15		Rev. 0	
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )					
<b>Item Description</b>				No. of Submittals	2
<b>BMS Cables (As per BMS Manufacturer's Recommendation)</b>				Submittal No.	1/2
Copies	Document; Material Description			Reference Specs #	
1	1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH			15960	
				Reference BOQ#	
<b>Supplier Data</b>					
Name:		Control Links Est.			
Address:		P.O. Box 325047 Riyadh 11371 K.S.A.			
<b>Manufacturer Data</b>					
Name:		NORDEN			
Address:		UK			
Samples		As per Material Description			
Samples Description		As per Material Description			
Remarks:					
<b>To be used for:</b>		ALL Kap4 Project Building		Engr. Mohammed Al Jedia Deputy General Manager	
				For Contractor: (Name / Title / Signature / Stamp)	
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. <b>Remarks:</b> NORDEN UK made cables are approved subject to our comments on the attached sheet.					
<small>Directions or comments made relative to submittals during their review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and consulting all questions and conference with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
<b>Action:</b> <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep. Review By: Eng Mujahid Ahmed Name: Signature: Date: 06-Dec-2015			Supervisor/Manager: Eng Francesco Clemente Name / Title: Signature / Stamp Date: 06-Dec-2015		

CI "Civil", ST "Structure", AR "Architecture", ME "Mechanical", EL "Electrical", DOC "Document", MAT "Materials, SUB "Sub-contractor, SUP "Supplier", MAN "Manufacturer"

06 DEC 2015  
 06 DEC 2015  
 06 DEC 2015

K4.COM.002.ver01 Submittal Form-RTCC

K4.COM.002.V0 Document/Material Submittal



R-IN-17517

Kingdom of Saudi Arabia			
Security Planning and Development Agency - KAP4 Project			
Ministry of Interior	PROGER Engineering & Management	Al Rashid Trading & Contracting	
Project Name:	Sports Training Center (Abha)	Submittal No.	Rev.
Project No.:	109	KAP4 - MAT - 109 - BXXX - TT - 0040	0
To:	Project Manager - Proger Head Office	Date:	30-Nov-15
Document / Material Submittal			
Discipline:	<input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For:	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments:	<input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification		
	<input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )		
Item Description		No. of Submittals	2
BMS Cables (As per BMS Manufacturer's Recommendation)		Submittal No.	1/2
Copies	Document; Material Description	Reference Specs #	
1	1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH	16980	
		Reference BOQ#	
Supplier Data			
Name:	Control Links Est.		
Address:	P.O. Box 325047 Riyadh 11371 K.S.A.		
Manufacturer Data			
Name:	NORDEN		
Address:	UK		
Samples	As per Material Description		
Samples Description	As per Material Description		
Remarks:			
To be used for:	ALL Kap4 Project Building		Engr. Mohammed Al Jedia Deputy General Manager
			For Contractor: (Name / Title / Signature / Stamp)
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.			
<b>Remarks:</b>			
NORDEN UK made cables are approved subject to our comments on the attached sheet.			
<small>Corrections or comments made relative to submittals during this review do not release the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and consulting all agencies and contractors with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>			
<b>Action:</b>			
<input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT			
<input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION			
For Engineer's rep.		Supervisor/Manager:	
Review By:		Eng Francesco Clemente	06-Dec-2015
Name:	Eng Mujahid Ahmed	Signature / Title	Date
	Signature: <i>Mujahid Ahmed</i>	Signature / Title: <i>Francesco Clemente</i>	Date: 06-Dec-2015




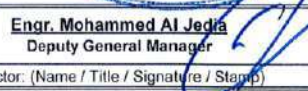




K4.COM.002.ver01 Submittal Form-R.TCC  
K4.COM.002.V0 Document/Material Submittal





R-IN-17517

 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		 PROGER Engineering & Management		 Al Rashid Trading & Contracting	
Project Name: General Directorates of Prisson		Submittal No. KAP4 - MAT - 110 - BXXX - TT - 0040		Rev. 0	
Project No.: 110		Date: 30-Nov-15			
To: Project Manager - Proger Head Office					
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )					
<b>Item Description</b>				No. of Submittals	2
BMS Cables (As per BMS Manufacturer's Recommendation)				Submittal No.	1/2
Copies	Document; Material Description			Reference Specs #	
1	1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH			15960	
				Reference BOQ#	
<b>Supplier Data</b>					
Name:		Control Links Est.			
Address:		P.O. Box 325047 Riyadh 11371 K.S.A			
<b>Manufacturer Data</b>					
Name:		NORDEN			
Address:		UK			
Samples		As per Material Description			
Samples Description		As per Material Description			
Remarks:					
To be used for:		ALL Kap4 Project Building		 Engr. Mohammed Al Jedia Deputy General Manager	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
<b>Remarks:</b>					
NORDEN UK made cables are approved subject to our comments on the attached sheet.					
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract documents, from using selected fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and completing all quantities and conforming with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
<b>Action:</b>					
<input type="checkbox"/> A APPROVED AS SUBMITTED		<input checked="" type="checkbox"/> B APPROVED AS NOTED		<input type="checkbox"/> C REVISE AND RESUBMIT	
<input type="checkbox"/> D REJECTED		<input type="checkbox"/> E FOR INFORMATION			
For Engineer's rep.					
Review By: Eng Mujahid Ahmed  06-Dec-2015			Supervisor/Manager: Eng Francesco Clemente  06-Dec-2015		
Name: _____		Date: _____		Name / Title: _____	
Signature: _____		Date: _____		Signature / Stamp: _____	

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K4.COM.002.V0 Document/Material Submittal





R-IN-17517

Kingdom of Saudi Arabia			
Security Planning and Development Agency - KAP4 Project			
Ministry of Interior	PROGER Engineering & Management	Al Rashid Trading & Contracting	
Project Name:	General Directorates of Passport	Submittal No.	Rev.
Project No.:	111	KAP4 - MAT - 111 - BXXX - TT - 0040	0
To:	Project Manager - Proger Head Office	Date:	30-Nov-15
Document / Material Submittal			
Discipline:	<input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For:	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments:	<input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification		
	<input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )		
Item Description			No. of Submittals
BMS Cables (As per BMS Manufacturer's Recommendation)			2
			Submittal No.
			1/2
Copies	Document; Material Description	Reference Specs #	
1	1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH	15960	
		Reference BOQ#	
Supplier Data			
Name:	Control Links Est.		
Address:	P.O. Box 325047 Riyadh 11371 K.S.A.		
Manufacturer Data			
Name:	NORDEN		
Address:	UK		
Samples	As per Material Description		
Samples Description	As per Material Description		
Remarks:			
To be used for:	ALL Kap4 Project Building		Engr. Mohammed Al Jedia Deputy General Manager
For Contractor: (Name / Title / Signature / Stamp)			
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.			
<b>Remarks:</b>			
NORDEN UK made cables are approved subject to our comments on the attached sheet.			
<small>Comments or concerns made relative to submittals during its review does not relieve the contractor from full compliance with the requirements of the contract documents, observing existing fabrication processes and techniques of construction, conducting his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>			
Action:	<input type="checkbox"/> A APPROVED AS SUBMITTED	<input checked="" type="checkbox"/> B APPROVED AS NOTED	<input type="checkbox"/> C REVISE AND RESUBMIT
	<input type="checkbox"/> D REJECTED	<input type="checkbox"/> E FOR INFORMATION	
For Engineer's rep.		Supervisor/Manager:	
Review By:	Eng Mujahid Ahmed	Eng Francesco Clemente	06-Dec-2015
Name:	Signature:	Name / Title	Signature / Stamp
	Date: 06-Dec-2015		Date



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R-IN-17517

Kingdom of Saudi Arabia			
Security Planning and Development Agency - KAP4 Project			
 Ministry of Interior		 PROGER Engineering & Management	
		 Al Rashid Trading & Contracting	
Project Name:	General Directorates of Anti Drugs	Submittal No.	Rev.
Project No.:	112	KAP4 - MAT - 112 - BXXX - TT - 0040	0
To:	Project Manager - Proger Head Office	Date:	30-Nov-15
Document / Material Submittal			
Discipline:	<input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For:	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments:	<input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )		
Item Description		No. of Submittals	2
BMS Cables (As per BMS Manufacturer's Recommendation)		Submittal No.	1/2
Copies	Document; Material Description	Reference Specs #	
1	1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH	15960	
		Reference BOQ#	
Supplier Data			
Name:	Control Links Est.		
Address:	P.O. Box 325047 Riyadh 11371 K.S.A.		
Manufacturer Data			
Name:	NORDEN		
Address:	UK		
Samples	As per Material Description		
Samples Description	As per Material Description		
Remarks:			
To be used for:	ALL Kap4 Project Building		
			Engr. Mohammed Al Jedia Deputy General Manager For Contractor: (Name / Title / Signature / Stamp)
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. <b>Remarks:</b> NORDEN UK made cables are approved subject to our comments on the attached sheet.			
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract documents, dimensions reflecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and consulting all questions and conforming with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>			
Action:	<input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION		
For Engineer's rep.	Supervisor/Manager:		
Review By:	Date:		
Eng. Mujahid Ahmed	Signature:	06-Dec-2015	Date:
			Eng. Francesco Clemente
			Signature / Stamp
			06-Dec-2015

C1 "Civil", ST "Structure", AR "Architecture", ME "Mechanical", EL "Electrical", DOC "Document", MAT "Materials, SUB "Sub-contractor, SUP "Supplier", MAN "Manufacturer"






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R-IN-17517

 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		 <b>PROGER</b> Engineering & Management		 <b>RTCC</b> Al Rashid Trading & Contracting	
Project Name: <b>Sports Training Center (Jazan)</b>		Submittal No.		Rev.	
Project No.: <b>114</b>		<b>KAP4 - MAT - 114 - BXXX - TT - 0040</b>		<b>0</b>	
To: <b>Project Manager - Proger Head Office</b>		Date: <b>30-Nov-15</b>			
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )					
<b>Item Description</b>				<b>No. of Submittals</b>	
<b>BMS Cables (As per BMS Manufacturer's Recommendation)</b>				<b>2</b>	
				<b>Submittal No. 1/2</b>	
Copies	<b>Document; Material Description</b>			<b>Reference Specs #</b>	
1	1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH			<b>15960</b>	
				<b>Reference BOQ#</b>	
<b>Supplier Data</b>					
Name:		Control Links Est.			
Address:		P.O. Box 325047 Riyadh 11371 K.S.A.			
<b>Manufacturer Data</b>					
Name:		NORDEN			
Address:		UK			
Samples		As per Material Description			
Samples Description		As per Material Description			
Remarks:					
To be used for:				<b>Engr. Mohammed Al Jedia</b>	
ALL Kap4 Project Building				<b>Deputy General Manager</b>	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. <b>Remarks:</b> NORDEN UK made cables are approved subject to our comments on the attached sheet.					
<small>Corrections or omissions made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract documents, dimensions, scheduling, fabrication processes, and the proper use of construction, necessitating the review submittal of other trades, and performing the work in a safe and satisfactory manner, and consulting all questions and conference with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep.			Supervisor/Manager:		
Review By:			Eng Francesco Clemente		
Eng Mujahid Ahmed		06-Dec-2015	Signature / Stamp		Date
Name:		Date:	Name / Title		Date






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K4.COM.002.V0 Document/Material Submittal





R-IN-17517

 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		 <b>PROGER</b> Engineering & Management		 <b>RTCC</b> Al Rashid Trading & Contracting	
Ministry of Interior		PROGER Engineering & Management		Al Rashid Trading & Contracting	
Project Name: Sports Training Center (Makkah Al Shara'a) Project No.: 115 To: Project Manager - Proger Head Office		Submittal No. KAP4 - MAT - 115 - BXXX - TT - 0040 Date: 30-Nov-2015		Rev. 0	
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )					
<b>Item Description</b>				No. of Submittals: 2 Submittal No.: 1/2	
BMS Cables (As per BMS Manufacturer's Recommendation)					
Copies	Document; Material Description			Reference Specs #	
	1.) 1-Pair 24 AWG Overall Foil Shielded Solid Conductor Cable LSZH 2.) 2-Core 16 AWG Shielded Solid Conductor Cable LSZH 3.) 2-Core 18 AWG Shielded Solid Conductor Cable LSZH 4.) EIB Bus Cable, 4-Core 20 AWG Shielded LSZH			15960	
				Reference BOQ#	
<b>Supplier Data</b>					
Name:		Control Links Est.			
Address:		P.O. Box 325047 Riyadh 11371 K.S.A.			
<b>Manufacturer Data</b>					
Name:		NORDEN			
Address:		UK			
Samples	As per Material Description				
Samples Description	As per Material Description				
Remarks:					
To be used for:				Engr. Mohammed Al Jedia Deputy General Manager	
ALL Kap4 Project Building				For Contractor: (Name / Title / Signature / Stamp)	
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. <b>Remarks:</b> NORDEN UK made cables are approved subject to our comments on the attached sheet.					
<small>Corrections or comments made relative to submittals during this process do not relieve the contractor from full compliance with the requirements of the contract documents, drawings, selection, fabrication processes and techniques of construction, coordinating the work with that of other trades, and performing his work in a safe and satisfactory manner and controlling all quantities and conformances with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep. Review By: Eng. Mujahid Ahmed Name: Signature: Date: 06-Dec-2015			Supervisor/Manager: Eng. Francesco Clemente Name / Title: Signature / Stamp Date: 06-Dec-2015		

CI "Civil", ST "Structure", AR "Architecture", ME "Mechanical", EL "Electrical", DOC "Document", MAT "Materials", SUB "Sub-contractor", SUP "Supplier", MAN "Manufacturer"

RECEIVED  
 06 DEC 2015


06 DEC 2015

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KINGDOM OF SAUDI ARABIA MINISTRY OF DEFENCE GENERAL DIRECTORATE OF MILITARY WORKS <b>PROJECT 1 / 6 / 146</b>				DATE: 23 JUNE 2016	PACKAGE No. 6-146	
ENGINEERING REVIEW COMMENTS		LOW CURRENT CABLES & WIRES		PROJECT No. 1 / 6 / 146	CONTRACT No. 3 / 18 / 436	
ENGINEERING REVIEW COMMENTS		LOW CURRENT CABLES & WIRES		<b>SPC/EM-209</b>		
ITEM DRAWING NUMBER/MATERIAL SUBMITTAL NUMBER	<b>COMMENTS</b>					ACTION CODES
CONT'D...FROM PAGE 1 OF 2.....//////	<p><b>ELECTRICAL:</b></p> <p><b>LOW CURRENT CABLES &amp; WIRES.</b></p> <p>III. MANUFACTURER: MESC                  SUPPLIER: GLOBAL TECHNICAL SERVICES CO.</p> <p>1. FIRE ALARM CABLE - ZC - 168                  105 C, 4161-0216 AWG - UORD6 - 00) - (E) → " E "</p> <p>&gt;&gt; TO SUBMITT SHIELDED CABLE.</p> <p>2. DATA/TEL. CABLE - LAN CAT6, VTP, 4PR x, 24 AWG (MAG2-04P24 AWG-U06GM-00), (E). → " E "</p> <p>&gt;&gt; TO SUBMITT DATA CABLE, CAT 6A.</p> <p>3. BMS CABLE SHIELDED, 1 PR x 16 AWG. (F). → " F "</p> <p>&gt;&gt; NOT REQUIRED.</p> <p>4. COAXIAL CABLE (CTV), RG-59 - (E). → " E "</p> <p>&gt;&gt; TO SUBMITT RG-6.</p> <p>5. BMS CL2 SHIELDED RPR x 18 AWG - (F). → " F "</p> <p>&gt;&gt; NOT REQUIRED.</p>					End.../

REVIEW DISCIPLINE: ELECTRICAL REVIEWER: ENGR/MARCELINO M. CONTANILIA JR. DATE: 23 JUNE 2016 PAGE: 2 OF 2. 1LT./ENGR. MASSER AL-KHURAYSY, PROJECT ENGINEER

*Paul Mason*  
 25 June 16

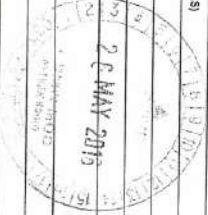
*Masser*

- CONTRACTOR COPY 15-1468/PC/EM-209 (REVISED 1, 2, 3)





TO: GENERAL DIRECTORATE OF MILITARY WORKS		DATE SENT: 26/05/2016		POST SUBMITTAL: 1 / 1		BIDD DRAWING SUBMITTAL NO:	
FROM: CONTRACTOR: SPECIALIZED PROJECTS CO. LTD. AL-KHOBAR, K.S.A.		PROJECT NO.: 1 / 8 / 148		HE SUBMITTAL: 1 / 1		MATERIAL SUBMITTAL NO:	
1. WE TRANSMIT FOR APPROVAL THE FOLLOWING ITEMS:		SPECIFICATION NO.: 27 31 00		PREVIOUS FORMS No.:		CONTRACT NO.: 3 / 1 / 8 / 148	
ITEM No.	DESCRIPTION OF ITEM SUBMITTED	MANUFACTURER OR CONTRACTOR CATALOG CUT DRAWING OR BROCHURE NUMBER	No. OF COPIES	SPECIFICATION PARAGRAPH NUMBER	DRAWING SHEET PLATE OR FILE NUMBER	B.O.Q. ITEM NO.	ACTION CODE
*** CONSTRUCTION OF BACHELORS OFFICERS HOUSING IN THE EASTERN REGION ***							
MATERIAL SUBMITTAL APPROVAL FOR ELECTRICAL WORKS (WITH SAMPLES)							
LOCATION OF USE: SITE-1 & SITE-2 & SITE-3							
SUPPLIER OF LOW CURRENT CABLES & WIRES SUBMITTED BY THREE (3) COMPANY							
#1	SANADI ELECTRONIC TRADING COMPANY (BELDEN)	COMPANY PROFILE & PREQUALIFICATION + PRODUCT CATALOGUES + SAMPLE (1)	1+4				11 B 4
	TEL# (013) 8578778 / FAX# (013) 8578008						
#2	ADVANCED SECURITY & ELECTRONIC TECHNOLOGIES CO.(INDOPEN)	COMPANY PROFILE & PREQUALIFICATION + PRODUCT CATALOGUES + SAMPLE (1)	1+4				
	TEL# (013) 8596633 / FAX# (013) 8596644						
#3	GLOBAL TECHNICAL SERVICES CO. LTD. (MERO)	COMPANY PROFILE & PREQUALIFICATION + PRODUCT CATALOGUES + SAMPLE (1)	1+4				
	TEL# (013) 8681177 / FAX# (013) 8681155						
2. REMARKS							
<p>FOR COMMENTS, SEE ATTACHED "COC" SHEET.</p> <p>confirm that the above submitted items have been reviewed in detail and are correct and in full conformance with all the requirements of the contract except as otherwise stated herein.</p> <p>NAME, TITLE AND SIGNATURE OF CONTRACTOR:   ENG. MABREL TAWAB, PROJECT ENGINEER</p> <p>NAME, TITLE AND SIGNATURE OF APPROVING AUTHORITY:   LT/ENGR. NASSAR AL-KHURAYSI, PROJECT ENGINEER</p> <p>DATE: 26/05/2016</p>							
<p>ACTION CODES: THE FOLLOWING CODES ARE GIVEN TO ITEMS SUBMITTED:</p> <p>1- APPROVED AS SUBMITTED</p> <p>2- APPROVED EXCEPT AS NOTED ON SUBMITTAL SHEET</p> <p>3- REVISIONS NOT REQUIRED</p> <p>C- APPROVED, EXCEPT AS NOTED ON SUBMITTED SHEET</p> <p>R- RETURN TO ATTACHED SHEET, AS SUBMISSION REQUIRED</p> <p>PHYSICAL AND/OR LABORATORY TESTING REQUIRED</p> <p>D- WILL BE FURNISHED BY SUPPLIER/CONTRACTOR</p> <p>E- DISAPPROVED, USE ATTACHED SHEET</p> <p>F- SEE COMMENTS ON ATTACHED SHEET</p> <p>G- APPROVED WITH/OUT ACTION, USE ATTACHED SHEET</p>							
SUBMITTAL FORMATION: 2017							







1<sup>st</sup> of November 2015

## To Whom It May Concern:

**Recommended i-bus cable**  
**Project: KAP-4**

Dear Sir;

Schneider Electric confirms that the 2-pair screened twisted pair cable (2x0.8mm EIB) for the EIB/KNX which is manufactured by **Norden** is compatible with our KNX/EIB System for the installation of KAP-4 project.

Kind Regards

Thank you,

Hassan Odeh  
Marketing Manager





**Al-Jouf University**  
Kingdom of Saudi Arabia

**Ref:** AJU-S-LE1-E-S-205-2015

**Date:** 14<sup>th</sup> October 2015

Restaurants and support services Project (LE1)

**To: SMEH Contractor**  
Attn: The Project Manager

**Subject:** Suppliers Approval – Low current cables

With reference to a.m. subject and your transmittal Ref. doc-le1-ele-0334-R0 dated 13.10.2015, requesting suppliers approvals for the a.m. subject, we hereby inform you that the suppliers have been approved as follows:

- CEDAR electrical trading EST.(brand-B3 or Selsor)
- NORDEN

Accordingly, upon this supplier approval, material approval shall be obtained for any required material from the said supplier, taking into consideration the related tender / contract requirements including warranty, country of origin, testing certifications...etc.

Best regards,

Eng. Khaldoun Dweik  
Electrical Dep. Manager




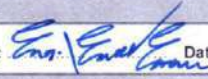

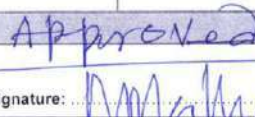
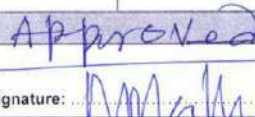
CC: Al-Jouf University Projects' management Department



Attachments: transmittal form

Page 1/1



  	
ALJOUF UNIVERSITY PROJECT	
SCIENTIFIC & MEDICAL EQUIPMENT HOUSE	
<b>DOCUMENT SUBMITTAL FORM</b>	
Contract No: SISM-2421	Work Package: Restaurants & service projects - LE1
<b>TITLE:</b> ( Electrical Supply Approval ) – Low Current Cable supply approval	<b>SUBMITTAL NO:</b> DOC- LE1-ELE- 0334- R 0
<b>TO:</b> TYPESA CONSULTANT	<b>DATE:</b> 13/10/2015
<b>FROM:</b> SCIENTIFIC&MEDICAL EQUIPMENT HOUSE	<b>REVISION NO:</b> 0
<b>ATTN:</b> ENG/ HOD	<b>C/REF:</b>
<b>TYPE OF SUBMITTAL:</b>	
<input type="checkbox"/> Shop Drawing & Schedule <input type="checkbox"/> Program <input type="checkbox"/> Operating & Maintenance Manuals <input checked="" type="checkbox"/> Pre-Qualification <input type="checkbox"/> Certification, Verification & Verification of Performance <input type="checkbox"/> Test reports <input type="checkbox"/> Method Statement <input type="checkbox"/> calculation design <input type="checkbox"/> Payment Certificate <input type="checkbox"/> Inspection & Test	
<b>SUBMITTAL DESCRIPTION:</b>	
<input type="checkbox"/> CIVIL <input type="checkbox"/> STRUCTURAL <input type="checkbox"/> ARCHITECTURAL <input checked="" type="checkbox"/> ELECTRICAL <input type="checkbox"/> MECHANICAL <input type="checkbox"/> OTHER	
1- CEDAR Electrical trading EST. – B3    RYADH 2- CEDAR Electrical trading EST. – Selsor    RYADH 3- NORDEN    RYADH <b>To Supply ( Low Current Cables and Wires )</b> * ( 3 ) prequalification Files	
<b>SPECIFICATION &amp; BOQ REF:</b>	<b>Location / Use</b>
N/A - As consultant Recommendations	LE1 - Restaurants & Service Projects
<b>PROJECT ENGINEER:</b>	
Name: ENG / Emad EzzEldin Ali Emam	Signature:  Date: 13/10/2015
<b>PROJECT MANAGER'S REVIEW :</b>	
Name: ENG AHMED LABEED	Signature:  Date: 13/10/2015
<b>CONSULTANT'S COMMENTS:</b>	
<input type="checkbox"/> APPROVED <input checked="" type="checkbox"/> APPROVE AS NOTED <input type="checkbox"/> REVISE AND RESUBMIT <input type="checkbox"/> REJECTED All material should be as per specs and approved shop DWG.	
DATE RECEIVED:	DATE RETURNED:
<b>CONSULTANT'S SIGNATURE:</b>	
For & On behalf of	Signature:  Date: 14/10/2015
Name:	Signature:  Date: 13 OCT 2015



LPCB®

Appendix to Certificate No: 711d (cl-2)  
NORDEN COMMUNICATION UK LIMITED

Issue: 01

Product name						LPCB Ref. No.
Firenor SFR FE 180 PH 120						711d/01
Nominal csa of conductor (mm <sup>2</sup> )	Core Construction (excluding drain wire & earth)	BS 7629-1	BS 6387	EN 50200	EN 50200 Annex E	BS 5839-1 Clause 26.2
1.5	2 <sup>(1)</sup>	Complies <sup>(2)</sup>	CWZ	PH120	30min <sup>(3)</sup>	Standard <sup>(4)</sup>
2.5	2 <sup>(1)</sup>	Complies <sup>(2)</sup>	CWZ	PH120	30min <sup>(3)</sup>	Standard <sup>(4)</sup>

Uo/U 300/500 V

Notes:

- Solid conductor only.
- In meeting the requirements of BS 7629-1:2008, the Firenor SFR FE 180 PH 120 cables listed met the requirements for smoke density of EN 61034-2:2005, the fire resistance requirements of BS 6387:2013 Categories CWZ and achieved less than 0.5% HCl for the outer covering, tapes and insulation when tested in accordance with EN 60754-1:2014.
- The duration of 30min when tested in accordance with EN 50200:2006 Annex E is achieved by 15min for the fire and mechanic shock phase and a further 15min for the fire mechanic shock and water phase.
- The Firenor SFR FE 180 PH 120 cables listed conform to BS 7629-1:2008 met Class PH120 when tested in accordance with EN 50200:2006 and met the 30min duration when tested in accordance with EN 50200:2006 Annex E and hence met the requirements for a standard fire resistant cable as described in Clause 26.2 of BS 5839-1:2013.

"2"  
212  
*[Signature]*

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*Damen Ward*  
Signed for LPCB

Damen Ward  
Certification Manager

24 November 2015  
Date of Issue

23 September 2015  
Date of First Issue



This certificate and appendix remain the property of BRE Global Ltd and is issued subject to terms and conditions (for details visit [www.redbooklive.com/terms](http://www.redbooklive.com/terms)).  
To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.  
LPCB is part of BRE Global Ltd, Garston, Watford, WD25 9XX  
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)



bre





LPCB®

www.redbooklive.com

**Certificate of Product Approval**

Certificate Number: 711d (cl-2)

Issue: 01

**NORDEN COMMUNICATION UK LIMITED**

20-22 Wenlock Road,  
London,  
N1 7GU,  
UK



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

**Product(s)**

Cable Types as listed below:

Firenor SFR FE 180 PH 120

See Certificate Appendix for details

**Standard(s) (see Appendix for details)**

BS 7629-1:2008

BS 6387:2013

EN 50200:2006 (Class PH120)

EN 50200:2006 Annex E (30 mins)

BS 5839-1:2013 (Clause 26.2d Standard)

*Handwritten:* "2"  
1/2  
~~pe~~

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

*Damien Ward*

Signed for LPCB

Damien Ward  
Certification Manager

24 November 2015  
Date of Issue

23 September 2015  
Date of First issue



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To check the validity of this certificate and appendix please visit [www.redbooklive.com/check](http://www.redbooklive.com/check), scan the QR tag or contact us.

LPCB is part of BRE Global Ltd, Garston, Watford, WD25 9XX  
T: +44 (0)333 321 8811 F: +44 (0)1923 664603 E: [enquiries@breglobal.com](mailto:enquiries@breglobal.com)



bre



**FIRE RESISTANT CABLE PH 120 SFR INSULATION**



**PHYSICAL INFORMATION**

Nom. Cond. Cross-Sect. mm <sup>2</sup>	Conductor Size no./mm	Earth Wire Size no./mm	Cable Diameter mm (±5 %)	Weight Kg/km
2 x 1.5	1/1.37	1/1.37	8.00	98.0
2 x 2.5	1/1.75	1/1.75	9.70	148.0

**ORDERING INFORMATION**

Part Number	Description
55-1502X	FireNor FE 180 PH120 Fire Resistant Cable SFR Insulation 2C x 1.5mm <sup>2</sup>
55-2502X	FireNor FE 180 PH120 Fire Resistant Cable SFR Insulation 2C x 2.5 mm <sup>2</sup>

X → RD:Red WH:White OR:Orange

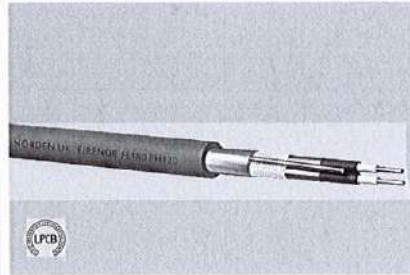
218  
FE  
"X"



**FIRE RESISTANT CABLE PH 120 SFR INSULATION**

**FIRENOR**

NORDEN FireNor PH fire resistant cables are manufactured within the specific requirement of fire resistant cable standards. The fire resistant cable assures reliable circuit integrity to keep emergency evacuation systems operational even whilst the cable is burning. FireNor fire resistant cables can be used for fire alarm systems, power supply or control of equipment that needs to function during a fire such as warning, emergency lighting, evacuation and monitor systems. The place of usage is intelligent or semi-intelligent buildings where dense human population or valuable goods are found. These can be hospitals, cinemas, theatres, schools, shopping centers, airports, factories, hotels etc. FireNor products have low smoke density, are halogen free and they don't emit poisonous gases.



**CABLE CONSTRUCTION**

<b>Conductor</b> Solid Bare Copper IEC 60228 class 1	<b>Earth Wire</b> Tinned Copper to IEC 60228 Solid 0.80mm	<b>Screen</b> Aluminium Laminated Polyester Tape
<b>Insulation</b> Fire resistant silicon rubber (HD 22.1, BS 7655 E12)	<b>Sheath</b> HFFR EN 50270-2, BS 7655 LTS1/LTS3 VDE 0207	<b>Separator</b> Polyester Type
<b>Insulation Colour</b> 2 Core: Blue/Brown	<b>Standard Packing Mode</b> 100 mtr / Plywood Reel 500 mtr / Plywood Reel (optional)	<b>Sheath Color</b> Red (RAL 3000) or White
		<b>Reference Standard</b> BS 7629-1

Flame Tests	Insulation Integrity	Smoke Density	Corrosive Gases Measurement
IEC 60332-1 IEC 60332-3-24 EN 50266-2-4	IEC 60331 BS 6387 C, W, Z Cat. C fire @ 950 °C - 180 min Cat. W fire and water @ 650 °C - 15 + 15 min Cat. Z fire and mechanical shocks @ 950 °C - 15 min EN 50200 PH 120 EN 50200(Annex E)	IEC 61034 EN 50268 HD 606	IEC 60754-2 EN 50267

**ELECTRICAL & MECHANICAL CHARACTERISTICS**

Properties	Value	
	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
Max. Conductor Resistant @ 20 °C	12.00/km	7.4 Ω/km
Min. Insulation Resistant @ 0 °C	200 MΩ.km	
Operating Voltage	300/500 V	
Test Voltage	2000 V	
Temperature Rating (Fixed)	-30 °C to + 90 °C	
Temperature Rating (Flexing)	-5 °C to + 60 °C	
Min. Bend Radius (Fixed)	8 x D	
Min. Bend Radius (Flexing)	15 x D	

Fire Resistant Cables

1/2 "11  
~~1/2~~

www.nordencommunication.com





**CONTRACTOR'S MATERIAL SUBMITTAL FORM**

Project Name: Hilton Causeway Al-Khobar

Client:  AL MOUSA	Operator:  Hilton HOTELS & RESORTS	Consultant:  EHAF CONSULTING	Contractor:  مبر الخليج PAN GULF
-------------------------	---	------------------------------------	---

Submittal No:2 rev: 0 DATE:30 AUG 2016 Ref.No.

**ALL DETAILS FOR TRASMITTAL SUBMITTAL – Material submittals**

No.	DESCRIPTION OF MATERIALS	Drawings Sheet No.	No. Of Copies	Remarks	Consultant Action
1	NORDEN FIRE RESISTANT CABLE 1.5MM		2		
2	NORDEN FIRE RESISTANT CABLE 2.5MM		2		
3	<i>attachement 3</i>				
4	<i>1- Norden cable data sheet</i>				
5	<i>2- LPCB test certificate</i>				
6	<i>3- bre global test report</i>				
7					
8					
9					

Contractor Signature: *Rommel Aquino*

**MATERIAL CATEGORY FOR :**

Approval	X	Architectural	
Information		I.D	
Construction		Mechanical	
Record		Electrical	
Working DWG.		Builders work	
Approval Other Specify		As- built	

**CONSULTANTS USE ONLY**

APPROVED

APPROVED AS NOTED

EHAF Comments :  
*1- provide listing and approvals certificates*  
*2- provide a sample compatible with the mentioned part number in the attached catalogue*

Resident Engineer *JH* Date: *31/9/2016*

ADDITIONAL INFORMATION REQUIRED

CALCULATIONS REQUIRED

REVISE AND RESUBMIT

NOT APPROVED

Comments of Employer Re.& Project Director (ICC):

.....

.....

.....





A-IN-12175








<b>Kingdom of Saudi Arabia</b> <b>Security Planning and Development Agency - KAP4 Project</b>		<b>PROGER</b> engineering & management		شركة العرب للمقاولات Al Arrab Contracting Co	
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd	
Project Name: Sport Training Center Building		Submittal No. KAP4 - MAT - 122 - BXXX - TT - 0163		Rev. 4	
Project No.: 122		To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 17-Aug-2016	
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				<b>No. Submittals</b>	
LOW CURRENT CABLE				2	
				<b>Submittal No.</b>	
				2 OF 3	
Copies	Document; Material Description			Reference Specs #	
	1	LOW CURRENT CABLE			16770-16783
a	BMS CABLE			<b>Reference BOQ #</b>	
Supplier Data					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
Manufacture Data					
Name:		NORDEN			
Address:		UNITED KINGDOM			
Samples					
Samples Description					
Remarks:					
To be used for: MB, TE, UB, MG, GR				Engr. Majid Hamdalla Project Director	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
<b>Remarks: ACTION CODE B</b>					
<b>Norden Cable model 79-3202182 is approved for BMS System if Siemens System is selected</b>					
<i>Majid Alkhalaf</i>					
Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming all quantities and conformances with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep. Review By: Eng Bara Al Maatani <i>Bara Al Maatani</i> 24-Aug-2016			Supervisor/Manager: Eng Francesco Clemente <i>Francesco Clemente</i> 24-Aug-2016		
Name: <i>Bara Al Maatani</i>		Date: 24-Aug-2016		Name / Title: <i>Francesco Clemente</i>	
Signature: <i>Bara Al Maatani</i>		Date: 24-Aug-2016		Signature / Stamp: <i>Francesco Clemente</i>	

K4.COM.002.V0 Document/Material Submittal



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A-IN-12175

 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Projec		 <b>PROGER</b> ENGINEERING & MANAGEMENT		 شركة العربي للمقاولات Al Arrab Contracting Co		
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd		
Project Name: General Directorate for Special Security Forces		Submittal No. KAP4 - MAT - 117 - BXXX - TT - 0163		Rev. 4		
Project No.: 117		To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 17-Aug-2016		
<b>Document / Material Submittal</b>						
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec						
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use						
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval )						
<b>Item Description</b>				No. Submittals		
LOW CURRENT CABLE				2		
				Submittal No. 2 OF 3		
Copies	Document; Material Description			Reference Specs #		
	1	LOW CURRENT CABLE			16770-16783	
	a	BMS CABLE			Reference BOQ # 16770001-16783001	
<b>Supplier Data</b>						
Name:		NORDEN				
Address:		Dubai, United Arab Emirates Tel: +97143926391				
<b>Manufacturers Data</b>						
Name:		NORDEN				
Address:		UNITED KINGDOM				
<b>Samples</b>						
Samples Description						
Remarks:						
To be used for: MB, GH, KD, WO1, CW, WO2, WO3, WO4, WB, MG, GA11, GA12, GA13, SB11, SB12, UB, GA, MV, ER11, ER12, ER21, ER22, ER31, ER32, PS				Engr. Majid Hamdalla Project Director		
				For Contractor: (Name / Title / Signature / Stamp)		
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.						
Remarks: ACTION CODE B <span style="float: right;">17-08-2016</span>						
Norden Cable model 79-3202182 is approved for BMS System if Siemens System is selected <span style="float: right;">Majid Hamdalla</span>						
Contractors or suppliers made visible to customers during the review do not release the contractor from full compliance with the requirements of the contract documents, dimensions, scheduling, fabrication processes and sequences of construction, coordinating the work with that of other trades, and performing the work in a safe and satisfactory manner and conformity of quantities and conformances with the design concepts of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This sheet is only for general review.						
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION						
For Engineer's rep. Review By: Eng Bara Al-Mas'ani  24-Aug-2016			Supervisor/Manager: Eng Francesco Clemente  24-Aug-2016			
Name: Eng Bara Al-Mas'ani		Name / Title: Eng Francesco Clemente		Signature / Stamp: 		
Date: 24-Aug-2016		Date: 24-Aug-2016		Date: 24-Aug-2016		
By:  117 to 122						



A-IN-12175

<b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		<b>PROGER</b> engineering & management		شركة العرب للمقاولات Al Arrab Contracting Co	
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd	
Project Name: General Directorate for Special Security Forces		Submittal No. KAP4- MAT -117 - BXXX - TT - 0163		Rev. 4	
Project No.: 117		To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 17-Aug-2016	
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				No. Submittals	2
LOW CURRENT CABLE				Submittal No.	2 OF 3
Copies	Document; Material Description			Reference Specs #	
	1	LOW CURRENT CABLE			16770-16783
a	BMS CABLE			Reference BOQ # 16770001-16783001	
<b>Supplier Data</b>					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>					
Name:		NORDEN			
Address:		UNITED KINGDOM			
<b>Samples</b>					
<b>Samples Description</b>					
<b>Remarks:</b>					
<b>To be used for:</b> MB, GH, KD, WO1, CW, WO2, WO3, WO4, WB, MG, GA11, GA12, GA13, SB11, SB12, UB, GA, MV, ER11, ER12, ER21, ER22, ER31, ER32, PS				Engr. Majid Hamdalla Project Director	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
<b>Remarks:</b> ACTION CODE B <span style="float: right;">17.09.2016</span>					
Norden Cable model 79-3202182 is approved for BMS System if Siemens System is selected <span style="float: right;">Majid Alkhal</span>					
Comments or comments made relative to submittals during this review do not release the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming all quantities and conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This sheet is only for general review.					
<b>Action:</b> <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
<b>For Engineer's rep.</b>			<b>Supervisor/Manager:</b>		
Review By: Eng Bara Al Maani		Date: 24-Aug-2016	Signature: Eng Francesco Clemente		Date: 24-Aug-2016
Name: Bara Al Maani		Signature: Francesco Clemente	Date: 24-Aug-2016		

CI "CIV", ST "Structure", AR "Architecture", ME "Mechanical", EL "Electrical", DOC "Document", MAT "Materials", SUB "Sub-contractor", SUP "Supplier", MAN "Manufacturer"

K4.COM.002.V0 Document/Material Submittal





A-IN-12175

<b>Kingdom of Saudi Arabia</b> <b>Security Planning and Development Agency - KAP4 Project</b>		<b>PROGER</b> engineering & management		شركة العرب للمقاولات <b>Al Arrab Contracting Co Ltd</b>	
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd	
Project Name: General Directorate for Public Security Forces			Submittal No. KAP4 - MAT - 118 - BXXX - TT - 0163		Rev. 4
Project No.: 118			Date: 17-Aug-2016		
To: PROJECT DIRECTOR - PROGER HEAD OFFICE					
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				No. Submittals	
LOW CURRENT CABLE				2	
				Submittal No.	
				2 OF 3	
Copies	Document; Material Description			Reference Specs #	
	1	LOW CURRENT CABLE			16770-16783
a	BMS CABLE			Reference BOQ #	
			16770001- 16783001		
<b>Supplier Data</b>					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>					
Name:		NORDEN			
Address:		UNITED KINGDOM			
<b>Samples</b>					
Samples Description					
Remarks:					
To be used for: MB, GH, KD, WO1,WO2, AD, WO4, WB, MG, GA11, GA12, GA13 SB11, SB12, UB, GA, MV, ER11,ER12, ER21, ER22, ER31, ER32, PS				Engr. Majid Hamdalla Project Director	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
Remarks: <b>ACTION CODE B</b>					
Norden Cable model 79-3202182 is approved for BMS System if Siemens System is selected					
<small>Consent or comments made relative to submittals during the review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming all quantities and conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep. Review By:			Supervisor/Manager:		
Name: Bara Al Maani			Name / Title: Eng Francesco Clemente		
Date: 24-Aug-2016			Date: 24-Aug-2016		





A-IN-12175

<b>Kingdom of Saudi Arabia</b> <b>Security Planning and Development Agency - KAP4 Project</b>		<b>PROGER</b> engineering & management		شركة العربية للمقاولات <b>Al Arrab Contracting Co Ltd</b>	
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd	
Project Name: General Directorate for Building Security			Submittal No. KAP4 - MAT - 119 - BXXX - TT - 0163		Rev. 4
Project No.: 119			Date: 17-Aug-2016		
To: PROJECT DIRECTOR - PROGER HEAD OFFICE					
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				No. Submittals	
LOW CURRENT CABLE				2	
				Submittal No.	
				2 OF 3	
Copies	Document; Material Description			Reference Specs #	
	1	LOW CURRENT CABLE			16770-16783
a	BMS CABLE			Reference BOQ #	
				16770001-16783001	
<b>Supplier Data</b>					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>					
Name:		NORDEN			
Address:		UNITED KINGDOM			
<b>Samples</b>					
<b>Samples Description</b>					
<b>Remarks:</b>					
<b>To be used for:</b> MB, GH, KD, WO1, CW, WO2, WO4, WB, MG, GA11, GA12, GA13 SB11, SB12, UB, GA, MV, ER11, ER12, ER21, ER22, ER31, ER32, PS					
				Engr. Majid Hamdalla Project Director	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
<b>Remarks:</b> ACTION CODE B <span style="float: right;">17-08-2016</span>					
Norden Cable model 79-3202182 is approved for BMS System if Siemens System is selected					
<i>Majid Alkhal</i>					
Corrections or comments made relative to submittal during the review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming to all quantities and conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.					
<b>Action:</b>					
<input type="checkbox"/> A APPROVED AS SUBMITTED		<input checked="" type="checkbox"/> B APPROVED AS NOTED		<input type="checkbox"/> C REVISE AND RESUBMIT	
<input type="checkbox"/> D REJECTED		<input type="checkbox"/> E FOR INFORMATION			
<b>For Engineer's rep.</b>			<b>Supervisor/Manager:</b>		
Review By: <i>Baraa Al Maani</i>			Signature: <i>Francesco Clemente</i>		
Name: Eng Bara Al Maani			Name / Title: Eng Francesco Clemente		
Date: 24-Aug-2016			Date: 24-Aug-2016		

CI "Civil"; ST "Structure"; AR "Architecture"; ME "Mechanical"; EL "Electrical"; DOC "Document"; MAT "Materials"; SUB "Sub-contractor"; SUP "Supplier"; MAN "Manufacturer"






A-IN-12175

<b>Kingdom of Saudi Arabia</b> <b>Security Planning and Development Agency - KAP4 Project</b>		<b>PROGER</b> engineering & management		شركة العرب للمقاولات Al Arrab Contracting Co	
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd	
Project Name: Sport Training Center Building		Submittal No. KAP4 - MAT - 120 - BXXX - TT - 0163		Rev. 4	
Project No.: 120		To: PROJECT DIRECTOR - PROGER HEAD OFFICE		Date: 17-Aug-2016	
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				No. Submittals	
LOW CURRENT CABLE				2	
				Submittal No.	
				2 OF 3	
Copies	Document; Material Description			Reference Specs #	
	1	LOW CURRENT CABLE			16770-16783
a	BMS CABLE			Reference BOQ #	
				16770001-16783001	
<b>Supplier Data</b>					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>					
Name:		NORDEN			
Address:		UNITED KINGDOM			
<b>Samples</b>					
Samples Description					
Remarks:					
To be used for: MB, TE, UB, MG, GR				Engr. Majid Hamdalla Project Director	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
Remarks: <b>ACTION CODE B</b> <span style="float: right;">18.10.2016</span>					
Norden Cable model 79-3202182 is approved for BMS System if Siemens System is selected <span style="float: right;">Majid Alshah</span>					
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabricator processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and containing all quantities and conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep. Review By: Eng Bara Al Ma'ani			Supervisor/Manager: Eng Francesco Clemente		
Name: Eng Bara Al Ma'ani			Name / Title: Eng Francesco Clemente		
Date: 24-Aug-2016			Date: 24-Aug-2016		

CI "Civil", ST "Structure", AR "Architecture", ME "Mechanical", EL "Electrical", DOC "Document", MAT "Materials", SUB "Sub-contractor", SUP "Supplier", MAN "Manufacturer"



A-IN-12175

 <b>Kingdom of Saudi Arabia</b> <b>Security Planning and Development Agency - KAP4 Project</b>		 <b>PROGER</b> engineering & management		 شركة العربية للمقاولات Al Arrab Contracting Co Ltd	
Ministry of Interior		PROGER Engineering & Management		Al Arrab Contracting Co Ltd	
Project Name: Sport Training Center Building			Submittal No. KAP4 - MAT - 121 - BXXX - TT - 0163		Rev. 4
Project No.: 121			Date: 17-Aug-2016		
To: PROJECT DIRECTOR - PROGER HEAD OFFICE					
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input type="checkbox"/> Manufacturer Data & Specification					
<input type="checkbox"/> Drawings/sketch <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (Previous approval)					
<b>Item Description</b>				No. Submittals	
LOW CURRENT CABLE				2	
				Submittal No.	
				2 OF 3	
Copies	Document; Material Description			Reference Specs #	
	1	LOW CURRENT CABLE			16770-16783
a	BMS CABLE			Reference BOQ #	
				16770001-16783001	
<b>Supplier Data</b>					
Name:		NORDEN			
Address:		Dubai, United Arab Emirates Tel: +97143926391			
<b>Manufacture Data</b>					
Name:		NORDEN			
Address:		UNITED KINGDOM			
<b>Samples</b>					
Samples Description					
Remarks:					
To be used for: MB, TE, UB, MG, GR			Engr. Majid Hamdalla Project Director		
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
Remarks: <b>ACTION CODE B</b>					
Norden Cable model 79-3202182 is approved for BMS System if Siemens System is selected					
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabrication processes and techniques of construction; coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and conforming to all quantities and conformances with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT					
<input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep.			Supervisor/Manager:		
Review By: Eng Bara Al Maani			Eng Francesco Clemente		
Signature: <i>Bara Al Maani</i>			Signature / Stamp: <i>Francesco Clemente</i>		
Date: 24-Aug-2016			Date: 24-Aug-2016		





Emirates Telecommunications  
Corporation - Etisalat  
PO Box 300, Abu Dhabi  
United Arab Emirates

T : (+971) 2 6333111  
W : www.etisalat.ae

هاتفنا: ٢ ٦٣٣٣١١١ (+٩٧١)  
موقع الإنترنت: www.etisalat.ae

مؤسسة الإمارات  
للإتصالات - إتصالات  
ص.ب. ٣٠٠، أبو ظبي  
الإمارات العربية المتحدة



HO/EPA/780067/15  
November 13, 2016

M/s. Norden Communications  
P.O Box. 341072  
Dubai, UAE

#### APPROVAL OF MATERIAL FOR FTTH SYSTEM: NORDEN

Dear Mr. Joseph John,

Reference is made to your application for Product Approval. We are pleased to inform that the following items are provisionally approved for deployment in FTTH Network as specified by the manufacturer, based on the inspection of sample and test certificates provided. Etisalat do not undertake any responsibility towards any damage or hazard caused due to the use of this product.

Sl. No	EPA No	Product Description	Supplier
1	780067-1	Fibre Optic PLC Splitter 2x32 SC/APC	Norden
2	780067-2	Fibre Optic Drop Cable 2 Core	Norden
3	780067-3	Fibre Optic Cable Loose Tube	Norden

Kindly note that this approval is valid for a period of six months from today. Any misuse of this approval for promoting, supplying or installing counterfeit or inferior product will lead to forfeiture of this approval, legal action or both.

Stamped specification sheets are attached for your reference and further correspondence's.

Best Regards

**Abdulla S Juma**  
Senior Director - D&SHS  
Etisalat Head Office

CC : SVP/CSE, VP/FAN, VP/BS





Emirates Telecommunications  
Corporation - Etisalat  
PO Box 300, Abu Dhabi  
United Arab Emirates

T : (+971) 2 6333111  
w : www.etisalat.ae

هاتف: ٢٦٣٣٣١١١ (+٩٧١)  
موقع الإنترنت: www.etisalat.ae

مؤسسة الإمارات  
للإتصالات - إتصالات  
ص.ب. ٣٠٠، أبوظبي  
الإمارات العربية المتحدة



HO/EPA/780065/16  
November 13, 2016

M/s. Norden Communications  
P.O Box. 341072  
Dubai, UAE

**APPROVAL OF MATERIAL FOR FTTH SYSTEM: NORDEN**

Dear Mr. Joseph John,

Reference is made to your application for Product Approval. We are pleased to inform that the following items are approved for deployment in FTTH Network as specified by the manufacturer, based on the inspection of sample and test certificates provided. Etisalat do not undertake any responsibility towards any damage or hazard caused due to the use of this product.

Sl. No	EPA No	Product Description	Manufacturer
1	780065-1	19" Floor standing Cabinet	Norden
2	780065-2	ONT Enclosure	Norden

Kindly note that this approval is valid for a period of 12 months from today. Any misuse of this approval for promoting, supplying or installing counterfeit or inferior product will lead to forfeiture of this approval, legal action or both.







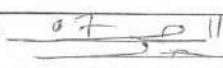
Stamped specification sheets are attached for your reference and further correspondence's.

Best Regards

**Abdulla S Juma**  
Senior Director - D&SHS  
Etisalat Head Office

CC : SVP/CSE, VP/FAN, VP/BS



<b>MAIN CONTRACTOR</b>  AL-SARIF CONTRACTING CO. LLC 100000, Dubai		<b>Material Technical Submittal</b> 2B+G+11TYP+HC, Plot No.373-1203 Al Barsha 1st -Dubai		<b>SUB CONTRACTOR</b>  باور فكتور Power Factor	
<b>EMPLOYER</b> MR. MOHAMMED SHARIF AHMAD BUKHASH			<b>CONSULTANT</b>  المهندس عدنان سافاريني Eng. Adnan Saffarini		
<b>Submittal Ref No:</b> MEP/EL-16		<b>Rev.</b> 00	<b>Date:</b> 11-02-16		
<b>Early Submittal</b>	<b>Late Submittal</b>		<b>Due Date</b>		
To ENG. ADNAN SAFFARINI - Resident Engineer					
<b>Originator</b> NORDEN		<b>Subcontractor / Supplier:</b> POWER FACTOR			
<b>Material / Product Title:</b> 12 u cabinet Norden		<b>Specification Section</b>			
<b>Description of Material:</b> Samples		<b>Paragraph No:</b>			
		<b>Suppliers / Manufacturer</b>			
		<b>Name:</b>			
		<b>Address:</b>			
		<b>Tel:</b>			
		<b>Fax:</b>			
		<b>Attachments</b>			
		1- Product Data	<input checked="" type="checkbox"/>		
<b>Location of Use:</b> All flats		2- Samples	<input checked="" type="checkbox"/>		
		3- Drawings	<input checked="" type="checkbox"/>		
		4- Contracts Specification	<input checked="" type="checkbox"/>		
<b>Project QA/QC Review</b>			<b>MEP / Engineering Manager Review</b>		
<b>Name:</b> Tabassam Shahzad		<b>Name:</b> ENG. Adnan Hafez			
<b>Signature:</b> 		<b>Signature:</b> 	<b>Date:</b> 11-02-16	<b>Date:</b> 11-02-16	
I hereby certify this submittal data has been reviewed and approved prior to submission to the Project Management Consultant and Engineer and the information contained within this submittal has been checked and coordinated with the requirements of the work and the contract.					
<b>Project Manager</b>			<b>Subcontractor Project Manager</b>		
<b>Name:</b> ENG : Tabassam Shahzad		<b>Name:</b> Eng. Samir Kotb			
<b>Signature:</b>		<b>Signature:</b>	<b>Date:</b> 11-02-16	<b>Date:</b> 11-02-16	
<b>For use by Project Manager / Consultant</b>					
Approval Status    A - <input type="checkbox"/> Approved As Noted    B- <input type="checkbox"/> Approved As Noted    C - <input type="checkbox"/> Resubmit    D- <input type="checkbox"/> Rejected					
<b>Engineer's Comments:</b>					
Approved after sample submitted.					
Technical after elec. engineer comments.					
					
<b>Name:</b>		<b>Signature:</b> 		<b>Date:</b>	

16





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**TO WHOM IT MAY CONCERN**



Sub: Letter of Appreciation

NSN Qatar hereby would like to notify that we have successfully installed the Data and Fiber Networking products from NORDEN Structured Cabling System in our office.

We appreciate the norms of quality of NORDEN's Products and Services.

*Richard Souza*

Nokia Siemens Networks GmbH & Co KG  
Mesaimer Road, Bldg.119  
P.O.Box 23179  
Abu Hamour,  
Doha Qatar



Nokia Siemens Networks GmbH & Co KG  
Mesaimer Road, Bldg.119  
P.O.Box 23179  
Abu Hamour,  
Doha Qatar

Telephone +974 4638101  
Mobile + 974 5876641  
Fax +974 4694918  
e-mail address:  
richard.dsouza@nsn.com

Your letter of:

Date: 15.02.2010

Nokia Siemens Networks GmbH & Co. KG  
Board of Directors: Lydia Sommer, Olaf Honsthenke  
Registered offices: Munich - Commercial registry:  
Munich, HRB 88537 - WEEE-Reg.-No. DE 52584304  
General Partner:  
Nokia Siemens Networks Management GmbH  
Registered offices: Munich - Commercial registry:  
Munich, HRB 183418

Page 1 of 1










NEE

 <b>Material Approval Request</b>		
<b>Project :</b> Al Bidda Tower <b>Contractor :</b> Higgs & Hill - QACC (JV)	<b>Client :</b> Platinum Tower Company <b>Engineer:</b> Hill International <b>Engineer's Representative:</b> GHD	<b>MAR-no. :</b> HQ-E-MAR-0123 <b>Rev. :</b> 00 <b>Date :</b> 09/04/2009

Material Information	
Name of Product	Dual RJ11 Outlet with Face Plate
Location of use	Tower & Telecom Room, Elec. Room, Mech. Room
Name Manufacturer	NORDEN
Country of Origin	United Kingdom
Name Local Agent/Supplier	Electra
Name of Subcontractor	Emircom
Ref. Specification	
Reason for use of alternate product	Consultants comments
Cost Impact	<input type="checkbox"/> Yes <input type="checkbox"/> No
Time Impact	<input type="checkbox"/> Yes <input type="checkbox"/> No
BOQ Ref. No.	
Attached documents	HQ-E-SM-0123 Rev.00



<b>Prepared by:</b> ENS <b>Engineering Manager:</b> HZR Signature: _____	<b>Initials</b> _____	<b>Approved by JV's Project Director</b> Yousef Sahah Signature: _____
--	--------------------------	--

<b>Comment by GHD</b>	
To submit technical catalog for the outlet. Dual RJ11 outlet	
	

<b>Approval Status GHD</b>	
Approval Code: <input type="checkbox"/> A = Approved <input checked="" type="checkbox"/> B = Approved with Comment <input type="checkbox"/> C = Revise and Re-submit <input type="checkbox"/> D = Not Approved	
<b>Reviewed by:</b> Samir G. Toufik Date: 9/4/09 Signature: _____	<b>Project Manager:</b> Date: 09-04-09 Signature: _____

<b>Noted by Hill International</b>	
<b>Noted by:</b> Date: _____ Signature: _____	<b>Project Manager:</b> Date: _____ Signature: _____

cc: ENS / FAO / SRG / RPL / Emircom  
(DT: 12-APR-09)





SUB-CONTRACTOR

CCTV & SECURITY SYSTEMS



MAIN-CONTRACTOR

AL-BALAGH



CLIENT

PRIVATE ENGINEERING OFFICE



CONSULTANT

ARAB ENGINEERING BUREAU

Form No.09

SUBMITTAL	SUBMITTAL TRADE	SUBMITTAL PACKAGE	SUBMITTAL REFERENCE	REVIEW CYCLE	SUBMITTAL DATE
		ELE	CCTV SYSTEM	GN/MAT/CT20	0
CONTRACT TITLE:	BARZAN CAMP PHASE 1 - BOUNDARY WALL, GATES, WATCH TOWER AT AL WAJBA			CONTRACT REF:	PEO/PED/030/06/2008
FROM (Contractor):	AL BALAGH TRADING & CONTRACTING CO., W.L.L				
TO (Supervision Consultant):	ARAB ENGINEERING BUREAU				
SUBMITTAL TYPE					QUANTITY
<input type="checkbox"/> Shop Drawings <input type="checkbox"/> Coordination Drawings <input type="checkbox"/> Product Data <input type="checkbox"/> Construction Photographs					3
<input type="checkbox"/> Samples <input checked="" type="checkbox"/> Informational Submittal <input type="checkbox"/> Design Data <input type="checkbox"/> Test Reports					
<input type="checkbox"/> Certificates <input type="checkbox"/> Manufacturer's Instructions <input type="checkbox"/> Manufacturer's Field Reports <input type="checkbox"/> Other					
ITEM DESCRIPTION			REMARKS		
1. FIBER PATCH PANEL			COUNTRY OF ORIGIN: UK MANUFACTURER : NORDEN LOCAL AGENT : ELECTRA INSTALLER : GULF NETWORKS WLL		
<input checked="" type="checkbox"/> Review and Approval <input type="checkbox"/> Resubmitted for Review and Approval <input type="checkbox"/> For Information			<input type="checkbox"/> For Information		
Contractor's Signature:			Date: 4/5/09		
COPIES TO: <input type="checkbox"/> Consultant			<input type="checkbox"/> File		
ENCLOSURES TO:					
CONSULTANT TO ENTER ACTION CODE AND REMARKS AND RETURN TO CONTRACTOR:					
<input type="checkbox"/> General <input type="checkbox"/> Architect <input type="checkbox"/> Structure <input type="checkbox"/> Mechanical <input type="checkbox"/> Plumbing <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Landscape <input type="checkbox"/> Others					
<input checked="" type="checkbox"/> Approved <input type="checkbox"/> Approved as Noted <input type="checkbox"/> Revise and Resubmit <input type="checkbox"/> Not Approved					
Remarks:					
* Make is accepted - * LC 24 Port RIM Fibre Patch panel Duplex with Part Number FPRBLCD24BS * Approved 20-05-09					
Supervision Consultant's Signature:			Date: 200509		
PEO Authorized Signatory:			Date: 27-05-09		
COPIES TO: <input type="checkbox"/> PEO PM <input type="checkbox"/> Contractor <input type="checkbox"/> PM (Project Management)			<input type="checkbox"/> File		
ENCLOSURES TO:					

Note : Allow for at least Fourteen working days for review.

Form: Submittal

H/4





**SUB-CONTRACTOR**  
شبكات الخليج  
CCTV & SECURITY SYSTEMS



**MAIN-CONTRACTOR**  
AL-BALAGH



**CLIENT** المكتب الهندسي الخاص  
PRIVATE ENGINEERING OFFICE



**CONSULTANT**  
ARAB ENGINEERING BUREAU

Form No.094

SUBMITTAL	SUBMITTAL TRADE	SUBMITTAL PACKAGE	SUBMITTAL REFERENCE	REVIEW CYCLE	SUBMITTAL DATE
	ELE	CCTV SYSTEM	GN/MAT/CT16	0	4-5-09
CONTRACT TITLE: BARZAN CAMP PHASE 1 - BOUNDARY WALL, GATES, WATCH TOWER AT AL WAJBA			CONTRACT REF: 8	PEO/FED/080/06/2008	
FROM (Contractor): AL BALAGH TRADING & CONTRACTING CO., W.L.L					
TO (Supervision Consultant): ARAB ENGINEERING BUREAU					
SUBMITTAL TYPE					QUANTITY
<input type="checkbox"/> Shop Drawings <input type="checkbox"/> Coordination Drawings <input type="checkbox"/> Product Data <input type="checkbox"/> Construction Photographs <input type="checkbox"/> Samples <input checked="" type="checkbox"/> Informational Submittal <input type="checkbox"/> Design Data <input type="checkbox"/> Test Reports <input type="checkbox"/> Certificates <input type="checkbox"/> Manufacturer's Instructions <input type="checkbox"/> Manufacturer's Field Reports <input type="checkbox"/> Other					3
ITEM DESCRIPTION			REMARKS		
1. CAT6 CABLE 250MHZ			COUNTRY OF ORIGIN: UK MANUFACTURER: NORDEN LOCAL AGENT: ELECTRA INSTALLER: GULF NETWORKS WLL		
<input checked="" type="checkbox"/> Review and Approval <input type="checkbox"/> Resubmitted for Review and Approval <input type="checkbox"/> For Information					
Contractor's Signature: <i>[Signature]</i>					Date: 4/5/09
COPIES TO: <input type="checkbox"/> Consultants <input type="checkbox"/> File					
ENCLOSURES TO: <input type="checkbox"/> File					
CONSULTANT TO ENTER ACTION CODE AND REMARKS AND RETURN TO CONTRACTOR:					
<input type="checkbox"/> General <input type="checkbox"/> Architect <input type="checkbox"/> Structure <input type="checkbox"/> Mechanical <input type="checkbox"/> Plumbing <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Landscape <input type="checkbox"/> Others					
<input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved as Noted <input type="checkbox"/> Revise and Resubmit <input type="checkbox"/> Not Approved					
Remarks:					
* Make is acceptable * UTP Cat.6 cable shall be used as per the approved schematic diagram * Submit schematic diagram as per the new requirements from client. <i>[Signature]</i> 20.05.09					
Supervision Consultant's Signature: <i>[Signature]</i>					Date: 200509
PEO Authorized Signatory: <i>[Signature]</i>					28-05-09
COPIES TO: <input type="checkbox"/> PEO PM <input type="checkbox"/> Contractor <input type="checkbox"/> PM (Project Management) <input type="checkbox"/> File					
ENCLOSURES TO: <input type="checkbox"/> File					

Note: Allow for at least Fourteen working days for review.

Form: Submittal

H/4



FROM : Q-Tec Group Ltd.

FAX NO. : +974 4422172

Jun. 18 2009 02:38PM P2

FEB.27'2008 14:13 +974 4601050

SPACEMAKER

#5537 P:003/005

**The Pearl - Qatar**  
**GP-8 / Restaurant & Emergency Medical Clinic**  
**Submission for Approval of Materials**  
**Req No 57**  
**Dated 31.01.08**  
**TEL AND DATA System**

Panduit-USA, Norden-UK, and Krone-UK selected material as per attached marked catalogue are accepted in principle subject to the following:

1. Specification Compliance statement (stamped and signed by the manufacturer) shall be provided.
2. Original Catalogue including all required technical specifications and standards compliance shall be submitted.
3. Area of application shall be stated.
4. Number and location of selected items shall be as per approved shop drawings.
5. A sample of each device shall be submitted for approval.
6. Manufacturer warranty shall be provided.

*Edine*

23.02.08

Note: All Telephone/Data related installations & material shall be to Q-Tec standard specifications & Regulations together with the project specifications & DWG.

*A/ker*



FROM : G-Tec Group Ltd.

FAX NO. : +974 4422172

Jun. 18 2009 02:37PM P1


FEB.27'2008 14:13 +974 4601050

SPACEMAKER

#6537 P.002/005

KIND ATTN MR YOUSIAN ELECTRA 7084 Q5C

Form 12.1

<b>The Pearl - Qatar</b> RESTAURANT AND EMERGENCY MEDICAL CLINIC Package No. : GP-8	<b>EMPLOYER:</b> United Development Company UDC	<b>Request No.</b> <b>52</b>
<b>ENGINEER'S REP.:</b>  dar al-handasah shah and partners s.a.l.	<b>CONTRACTOR:</b> SPACEMAKER	<b>Date</b> <b>31.01.08</b>

**SUBMITTAL FOR APPROVAL OF MATERIALS**



**1. MATERIAL DESCRIPTION (one item only on this form):**

**TEL AND DATA SYSTEM**

Area of Application : TELE AND DATA SYSTEM IN RESTAURANT AND CLINIC BUILDING

Drawing Ref. :

B.O.Q. Ref. No. :

Specification Ref. :

Addendum :

Standards :

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples and approvals.



**2. MANUFACTURER/SUPPLIER:**

Company Name : As per Attached List  
Address : DOHA QATAR  
Local Agent :

**3. DELIVERY:**

Country of Origin : As per Attached List

Availability

Locally Manufactured  Overseas

Delivery : Ex-works/ Total Duration : 4-5 Weeks  
Estimated Time of Arrival on Site : 14 Days

Program : Date Material Required on Site : 31.01.08  
Latest Date for Order : 30.01.08

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.

Submitted by : **V. UPENDRAN**

Signature

**4. ENGINEER'S REPRESENTATIVE'S COMMENTS :**

See our comments on the attached

sheet

23.02.08

- Approved
- Approved As Noted
- Revise and Resubmit
- Rejected
- Sample Required
- Tests Required
- Additional Information Required
- Manufacturer's Guarantee Required

Signature




DATE : 2/2/08

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.

AM-1


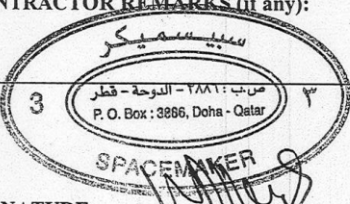







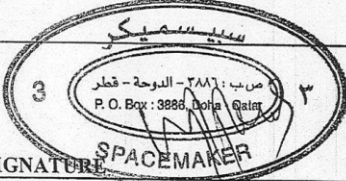

 <b>GULF HOUSING &amp; CONSTRUCTION CO., W.L.L.</b> P.O. Box: 3886, Doha – State of Qatar	
<b>MATERIAL APPROVAL SHEET</b>	
PROJECT : QATAR FOUNDATION – CABIN 8 & 9	
CONTRACTOR: SPACEMAKER	
SUBMISSION NO:	MANUFACTURER: NORDEN
MATERIAL SUBMISSION NO:	COUNTRY OF ORIGIN: UK
	DATE: 18/03/2008
MATERIAL NAME: Cat6 RJ45 Module	SUPPLIER: ELECTRA, DOHA - QATAR
BOQ REF: NA	MATERIAL DELIVERY PERIOD: Ex-stock
	MATERIAL REQUIRED AT SITE: NA
SPEC. REF: C6	B.S. REF: NA
DWG. REF: NA	SAMPLE ATTACHED : YES / NO
LOCATION: NA	CERTIFICATE ATTACHED: CATALOGUE ATTACHED YES / NO
QUANTITY: NA	ASSURANCE OF DELIVERY ON TIME: YES / NO
WARRENTY FROM THE MANUFACTURER / SUPPLIER: YES / NO	
CONTRACTOR REMARKS (if any):	
	
SIGNATURE	DATE: 18/03/2008
COMMENTS – Main Contractor <input type="checkbox"/> MATERIAL APPROVED <input type="checkbox"/> MATERIAL APPROVED WITH COMMENTS <input type="checkbox"/> MATERIAL REJECTED (see comments below)	
COMMENTS:	
SIGNATURE / STAMP	DATE:
COMMENTS – Client <input checked="" type="checkbox"/> MATERIAL APPROVED <input type="checkbox"/> MATERIAL APPROVED WITH COMMENTS <input type="checkbox"/> MATERIAL REJECTED (see comments below)	
COMMENTS:	
Ahmed Shams. 	
SIGNATURE / STAMP	DATE: 26/3/2008







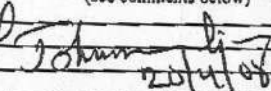
 <b>GULF HOUSING &amp; CONSTRUCTION CO., W.L.L.</b> P.O. Box: 3886, Doha – State of Qatar	
<b>MATERIAL APPROVAL SHEET</b>	
PROJECT : QATAR FOUNDATION – CABIN 8 & 9	
CONTRACTOR: SPACEMAKER	
SUBMISSION NO:	MANUFACTURER: NORDEN
MATERIAL SUBMISSION NO:	COUNTRY OF ORIGIN: UK
	DATE: 06/04/2008
MATERIAL NAME: 42U DATA CABINET	SUPPLIER: ELECTRA, DOHA - QATAR
BOQ REF: NA	MATERIAL DELIVERY PERIOD: EX-STOCK
	MATERIAL REQUIRED AT SITE: NA
SPEC. REF: NN.8A42X	B.S. REF: NA <input checked="" type="checkbox"/>
DWG. REF: NA	SAMPLE ATTACHED : YES / NO
LOCATION: NA	CERTIFICATE ATTACHED: CATALOGUE ATTACHED <input checked="" type="checkbox"/> YES / NO
QUANTITY: NA	ASSURANCE OF DELIVERY ON TIME: <input checked="" type="checkbox"/> YES / NO
WARRENTY FROM THE MANUFACTURER / SUPPLIER: YES / NO	
CONTRACTOR REMARKS (if any):	
	
SIGNATURE 	DATE: 06/04/2008
<b>COMMENTS – Main Contractor</b>	
<input type="checkbox"/> MATERIAL APPROVED <input type="checkbox"/> MATERIAL APPROVED WITH COMMENTS <input type="checkbox"/> MATERIAL REJECTED (see comments below)	
COMMENTS: _____	
SIGNATURE / STAMP	DATE:
<b>COMMENTS – Client</b>	
<input checked="" type="checkbox"/> MATERIAL APPROVED <input type="checkbox"/> MATERIAL APPROVED WITH COMMENTS <input type="checkbox"/> MATERIAL REJECTED (see comments below)	
COMMENTS: _____	
SIGNATURE / STAMP 	DATE: 10/04/08



 <b>GULF HOUSING &amp; CONSTRUCTION CO., W.L.L.</b> P.O. Box: 3886, Doha – State of Qatar	
<b><u>MATERIAL APPROVAL SHEET</u></b>	
PROJECT : QATAR FOUNDATION – CABIN 8 & 9	
CONTRACTOR: SPACEMAKER	
SUBMISSION NO:	MANUFACTURER: NORDEN
MATERIAL SUBMISSION NO:	COUNTRY OF ORIGIN: UK
	DATE: 18/03/2008
MATERIAL FACE PLATES NAME:	SUPPLIER: ELECTRA, DOHA - QATAR
BOQ REF: NA	MATERIAL DELIVERY PERIOD: Ex-stock
	MATERIAL REQUIRED AT SITE: NA
SPEC. REF : ET-8686 & FT-8686	B.S. REF: NA
DWG. REF : NA	SAMPLE ATTACHED : YES / NO
LOCATION: NA	CERTIFICATE ATTACHED: CATALOGUE ATTACHED YES / NO
QUANTITY: NA	ASSURANCE OF DELIVERY ON TIME: YES / NO
WARRENTY FROM THE MANUFACTURER / SUPPLIER: YES / NO	
CONTRACTOR REMARKS (if any):	
	
SIGNATURE	DATE: 18/03/2008
<b>COMMENTS – Main Contractor</b>	
<input type="checkbox"/> MATERIAL APPROVED <input type="checkbox"/> MATERIAL APPROVED WITH COMMENTS <input type="checkbox"/> MATERIAL REJECTED (see comments below)	
COMMENTS:	
<b>COMMENTS – Client</b>	
<input checked="" type="checkbox"/> MATERIAL APPROVED <input type="checkbox"/> MATERIAL APPROVED WITH COMMENTS <input type="checkbox"/> MATERIAL REJECTED (see comments below)	
COMMENTS:	
Ahmed Shams . 	
SIGNATURE / STAMP	DATE: 26 / 3 / 2008 .







 <b>GULF HOUSING &amp; CONSTRUCTION CO., W.L.L.</b> P.O. Box: 3886, Doha - State of Qatar	
<b>MATERIAL APPROVAL SHEET</b>	
PROJECT : BARWA - AL KHOR	
CONTRACTOR: SPACEMAKER	
SUBMISSION NO:	MANUFACTURER: NORDEN
MATERIAL SUBMISSION NO:	COUNTRY OF ORIGIN: UK
MATERIAL NAME: 42U DATA CABINET	DATE: 09/04/2008
BOQ REF: NA	SUPPLIER: ELECTRA, DOHA - QATAR
SPEC. REF: NN.8A42X	MATERIAL DELIVERY PERIOD: EX-STOCK
DWG. REF: NA	MATERIAL REQUIRED AT SITE: NA
LOCATION: NA	B.S. REF: NA
QUANTITY: NA	SAMPLE ATTACHED : YES / NO
WARRENTY FROM THE MANUFACTURER / SUPPLIER:	CERTIFICATE ATTACHED: CATALOGUE ATTACHED YES / NO
CONTRACTOR REMARKS (if any):	ASSURANCE OF DELIVERY ON TIME: YES / NO
	
SIGNATURE	DATE: 09/04/2008
COMMENTS - Main Contractor <input type="checkbox"/> MATERIAL APPROVED <input checked="" type="checkbox"/> MATERIAL APPROVED WITH COMMENTS <input type="checkbox"/> MATERIAL REJECTED (see comments below)	
COMMENTS: <i>Approved subject to Q-til approval</i>  20/4/08	
SIGNATURE / STAMP	
DATE:	
COMMENTS - Client <input type="checkbox"/> MATERIAL APPROVED <input type="checkbox"/> MATERIAL APPROVED WITH COMMENTS <input type="checkbox"/> MATERIAL REJECTED (see comments below)	
COMMENTS:	
SIGNATURE / STAMP	
DATE:	

#1402 P.003

SPACEMAKER

APR.22.2008 10:14 +974 4601050



 <p><b>SPACEMAKER</b> PO Box : 3886 , Doha -State of Qatar</p>	
<b>MATERIAL APPROVAL SHEET</b>	
PROJECT	BARWA ALKHOR SITE OFFICE FACILITIES
MAIN CONTRACTOR	SPACEMAKER
SUBMISSION NO. : 1	MANUFACTURER : AS PER LIST ATTACHED
MATERIAL SUBMISSION No: MS 92	COUNTRY OF ORIGIN : AS PER LIST ATTACHED
	DATE : 09.04.08
MATERIAL NAME : TELEPHONE AND DATA SYSEM	SUPPLIER : AS PER LIST ATTACHED
BOQ REF : B009/T0N/08	MATERIAL DELIVERY PERIOD: 4-5 Weeks
	MATERIAL REQUIRED AT SITE : NA
SPEC. REF. : Superior Specification	B.S. REF. : NA
DWG. REF. : NA	SAMPLE ATTACHED YES / NO
LOCATION : FOR TEL AND DATA SYSTEM	CERTIFICATE ATTACHED CATALOGUE ATTACHED YES / NO
QUANTITY : NA	ASSURANCE OF DELIVERY ON TIME : YES / NO
WARRANTY FROM THE MANUFACTURER / SUPPLIER : YES / NO	
CONTRACTOR REMARKS (If any):	
	
SIGNATURE	DATE: 05.04.08
<b>COMMENTS - Main Contractor</b> <input type="checkbox"/> MATERIAL APPROVED <input checked="" type="checkbox"/> MATERIAL APPROVED WITH COMMENTS <input type="checkbox"/> MATERIAL REJECTED (see comments below)	
COMMENTS: <i>Signature and date</i>	
SIGNATURE / STAMP	DATE:
<b>COMMENTS - Client</b> <input type="checkbox"/> MATERIAL APPROVED <input type="checkbox"/> MATERIAL APPROVED WITH COMMENTS <input type="checkbox"/> MATERIAL REJECTED (see comments below)	
COMMENTS:	
SIGNATURE / STAMP	DATE:

GHC:SPM:JOB.NO.7148:T&D:092

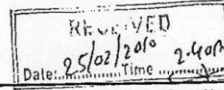
#1402 P.002

SPACEMAKER

APR.22.2008 10:14 +974 4601050







**Material Submittal**

Form No: AEB/CSD/009  
 Date :16-02-10  
 Project No :1080  
 Ref.No. :MS/BP/E-020

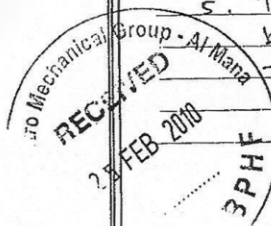
Project : Proposed Business Park & Hotel Facilities  
 Owner : SH.Mohamed Bin Hamad Al Thani  
 Consultant : Arab Engineering Bureau  
 Contractor : Redco Construction - Al Mana

Material Description : TELEPHONE & DATA SYSTEM  Catalogue  Sample  
 Drawing/Spec/BOQ Ref : SPECIFICATION SECTION 21.2.22  Specified  Alternative  
 Quantity Required : AS PER SHOP DRAWING  Locally Available  Imported  
 E.T.A. on Site : JUNE / JULY 2010  
 Country of Origin : UK  
 Manufacturer : NORDEN  
 Supplier / Agent : QATAR COMMUNICATION SERVICES  
 (Address / Tel. / Fax.) : P.O.BOX 8762. TEL. 009744320075 FAX: 00974441810  
 Submitted By Contractor: Name: Project Manager Signature/Date: [Signature] 17 FEB 2009

Consultant  
 Architectural  Civil  Structural  Electrical  Mechanical  Plumbing  Others

Status  
 Approved  Approved as noted  Revise & Resubmit  Reject  Additional Information Required

Comment : **APPROVED AS NOTED**  
 1. Make acceptable.  
 2. Detailed system schematics shall be submitted as per the scope of work.  
 3. Any modifications as per the ID package -3 or the operator requirements to the related works shall be coordinated and incorporated as and when required as applicable.  
 4. Entire range of system components used shall be in compliance with the Q-Tel regulations.  
 5. The regulatory approval for the supplier shall be renewed and copy shall be submitted prior to order.  
 \* Approved as Noted. [Signature] 25/02/10  
 Name: \_\_\_\_\_ Position: WALEED HAGAG PROJECT MANAGER Signature / Date: \_\_\_\_\_









CONTRACTOR'S NAME: AL JABER TRADING & CONTRACTING CO.WLL  
 PROJECT NAME: AL KHOR HOUSING PROJECT PACKAGE- 5 (The Project)

**MATERIAL APPROVAL FORM**

CLIENT: QATAR REAL ESTATE INVESTMENT COMPANY CONSULTANT: QATAR DESIGN CONSULTING

FILLED BY CONTRACTOR	MATERIAL SUBMITTAL NO.: 0192		REV. 00	DATE: 07.03.09	
	Specification No. 0021	Zone 17 18	Discipline EL	Type of Document MA	Serial no. 0013
	Description for the Submitted Material				
	<input type="checkbox"/> CIVIL <input type="checkbox"/> ARCHITECTURAL <input type="checkbox"/> MECHANICAL <input checked="" type="checkbox"/> ELECTRICAL				
	Specify Name Of Material: <b>TELEPHONE BLOCK WIRING - NORDEN</b>				
	Check the Material Listed Location				
	<input checked="" type="checkbox"/> DRAWING No. AK31-4/E-02-102		<input checked="" type="checkbox"/> SPECIFICATION Page No. Sec 21.E97-E100		<input checked="" type="checkbox"/> Bill of Materials Page No. Section T, 8.1/T/5,C-H & 9.1/T/5,C-H
	Submitted Material as specified in the Provided Vendor List				
	<input type="checkbox"/> Yes   Page No. : _____ <input type="checkbox"/> No   Specify/Attach reason : No Description in The PVL				
	Attached			Estimated Time for Delivery:	
<input checked="" type="checkbox"/> Technical Brochure <input checked="" type="checkbox"/> Catalogue <input checked="" type="checkbox"/> Sample			No. 6 weeks		
Supplier's Name & Country: CONSTRUCTION SERVICES EST. - QATAR			Manufacturer's Name & Country: NORDEN -UK		
Contractor Project Manager (Signature) / Date:  12/03/09					
CONSULTANT	CONSULTANT'S COMMENTS / RECOMMENDATION				
	1) Follow the wiring as per corrected schematic dated 22/3/09.				
	2) <del>the</del> CAT-5 module shall be suitable for CAT-6 cable also. Contractor to ensure the same or provide a suitable module for CAT-6 cable.				
Project Manager/Resident Engineer (Signature) / Date :  26.03.2009					
ENGINEER	CLIENT STATUS / APPROVAL				
	<input type="checkbox"/> APPROVED <input type="checkbox"/> APPROVED AS PER CONSULTANT <input type="checkbox"/> NOT APPROVED RESUBMIT <input type="checkbox"/> REJECTED				
	<input type="checkbox"/> APPROVED WITH ADDITIONAL (Comments): _____				
	CONCERN ENGINEER (Signature) IF REQUIRED		DATE:		
PROJECT MANAGER/ENGINEER REPRESENTATIVE (Signature)		DATE:			
				Contractor's Received Date	

FORM NO. 1 R1

Our recommendation is 'Approved with Comments'

F-036 1-496 P.005

+9744666195

FROM-ALJABER (JED) CO. 04:36PM 17-03-2009



Elektra

Al-Jassimya Tower

554

Material Submittal



<b>Consultant:</b> EGEC-QATAR <b>Contractor:</b> Commodore Qatar Contracting Company		SUBMITTED BY CONTRACTOR DATE : 7-Jun-10 QC/QA manager Mohamed Agawawy SIGNATURE: <i>[Signature]</i>			
TO : EGEC FROM: Commodore PROJECT: Al-Jassimya Tower		RECEIVED BY: <i>[Signature]</i> DATE: 07 JUN 2010 NAME: <i>[Name]</i> SIGNATURE: <i>[Signature]</i>			
REQUEST FOR APPROVAL OF THE FOLLOWING ITEMS		ANY APPROVAL ON THIS TRANSMITTAL SHEET DOES NOT RELIEVE THE CONTRACTOR OF ANY OF HIS LIABILITIES OR OBLIGATIONS UNDER THE CONTRACT.			
SUB CONTRACTOR:		TRANSMITTAL NO: E-MS-A.1-01-1 PREVIOUS TRANSMITTAL NO.: E-MS-A.1-01-0 DATE SUBMITTED: 22-Apr-10			
ITEM NO.	DESCRIPTION OF MATERIAL SUBMITTED	LOCATION INTENDED TO BE USED	MANUFACTURERS NAME	CONTRACT DOCUMENT REFERENCE	STATE IF DIFFERENT FROM CONTRACT DOCUMENTS
1	Telephone system (Norden) reply to consultant comments <i>MEP - QIN - 01/14/10 file</i> <i>eng. AH FJA</i> <b>DELIVERED</b>	all building	Norden	Elec BOQ item 18 page B01/14R2	YA4XJ=J2 = 3 CAT
Approval action: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved as noted <input type="checkbox"/> Approved as noted- Resubmit <input type="checkbox"/> Rejected		Comments: ALL Telephone Installations Material should be comply with Q.Tel Standards specifications <i>Ray Hassan</i>			
ENGINEER: <i>[Signature]</i> Yes/No <i>[Initials]</i> PROJECT: <b>EGEC/ELKTRA</b> RECEIVED BY: <i>[Signature]</i> DATE: 07 JUN 2010 NAME: <i>[Name]</i>		The contractor has checked, reviewed and approved this submittal for dimensions, means, techniques, sequence and operation of construction, safety precautions, etc. and conformance with the requirement of the contract documents prior to submitting to the Engineer.			

File





 <p>CLIENT: ASHGHAL PUBLIC WORKS AUTHORITY BUILDING AFFAIRS</p>	 <p>GULF ENGINEERING &amp; INDUSTRIAL CONSULTANCY</p>	 <p>Projaca Project Analysis &amp; Control System Co. W.L.L.</p>	 <p>Redco International CONTRACTOR Redco-Pearl NLC JV</p>
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**SUBMITTAL FOR APPROVAL OF MATERIALS**

Project Name	: 10 x Kindergarten Schools Project (Package-2)	Doc #	: Redco/NLC/00122/08
Contract #	: 06038	Rev #	: 01
Client	: ASHGHAL (Building Affairs)	Date	: 24-02-2008 <i>10/03/08</i>
Supervision Consultant	: GEIC	Copies	: 03
Designer	: CONSULTING ENGINEERING GROUP	From	: Redco - Pearl NLC JV
Contractor	: Redco-Pearl NLC JV	To	: Gulf Engineering and Industrial consultancy

TO : SUPERVISION CONSULTANT

We request your approval on the following Materials:

**MATERIAL DESCRIPTION: INTERCOM CABLE ( ELECTRICAL )**

Area of Application : Where ever required (bidg)

Drawing Ref. : # (TP1)01-C - 201, (TP)01 E - 104, 106      BOQ Ref. No. : BQ/C - 1/51

Specification : Section 21 , PAGE 45      Standards :     

Closures : CATALOGUE      Document No. : RPNLC

Attach all relevant technical literature marked to identify relevant description, current test certificates, samples as appropriate

**MANUFACTURER/SUPPLIER :**

Company Name : **NORDEN (UK)**

Address : **UK**

Local Agent :

**DELIVERY**

Country of Origin : **UK**

Availability :

Delivery Program : **10 WEEKS**

Ex-works Total Duration :

Estimated Date of Arrival on Site :

We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawing and specifications except as otherwise stated; and also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in full conformity with timely delivery

**DARWISH ELECTRICALS**

FOR : THE CONTRACTOR

Name: *Hanif*      Signature: *[Signature]*      Address: *Box 657 Doha - Qatar*      Date: *24-02-2008*

SUPERVISION CONSULTANT'S COMMENTS: *THIS MATERIAL IS APPROVED*

*FOR INTERCOM CABLE ONLY. MATERIAL IS SUBJECT FOR INSPECTION DURING DELIVERY AT SITE, & APPROVAL PRIOR TO INSTALLATION.*

ACTION CODE  A-Approved As Submitted       B-Approved - Except as Noted       C- Revise / Resubmit

D-Disapproved - Resubmit       E-Receipt acknowledged

**PWA RESPONSE SUMMARY :**

a) SCOPE OF WORK is  Authorized       Not Authorized

b) The Contractor's selection of this  Not Objected       Objected

Further Comments :

TO : THE CONTRACTOR

We return hereby this actioned Submittal for Approval of Materials. The approval shall not relieve the Contractor of its obligations and liabilities under the Contract or constitute authorization of any change to Contract Documents, and therefore, shall not imply any recognition whatsoever of additional time or cost to the contract.

FOR : SUPERVISION CONSULTANT

Name: *ARIEL SAMPIANO*      Signature: *[Signature]*      Date: *10/03/08*

Receiving by Contractor...

Name:      Signature:      Date:

**RECEIVED**

15 MAR 2008

APPL JV



<b>HKH</b> شركة حمد بن خالد بن حمد	<b>ALMANA</b> ALGERIAN CONTRACTORS ASSOCIATION	<b>اشغال</b> ASHGAL
---------------------------------------	---	------------------------

**CONSTRUCTION OF AL HABARA BIRDS NURSERY AND MEDICAL COMPLEX AT RAWDAT AL FARAS**

<b>TRANSMISSION OF DRAWINGS, DOCUMENTS, SAMPLES, ETC.</b>		Transmittal No. <b>E-13</b> Rev. <b>0</b>
CONTRACT NO : C 2010 / 009 PROJECT CODE : BA/09-10/C/001/G CONTRACTOR : HAMAD BIN KHALID BIN HAMAD CO. (HKH) CONSULTANT : BUILDING AFFAIRS, ASHGAL		Previous TM No. Date: 10/01/2011
		SUBMITTED FOR: APPROVAL <span style="float: right;">CODE X</span> YOUR INFORMATION
FOR MEP DISCIPLINE TYPE ELECTRICAL <input checked="" type="checkbox"/> SUBMITTAL <input type="checkbox"/> RESUBMITTAL		ACTION: APPROVED <span style="float: right;">A</span> APPROVED as Noted <span style="float: right;">B</span> REVISED AND RESUBMIT <span style="float: right;">C</span> DISAPPROVED <span style="float: right;">D</span> OTHERS <span style="float: right;">E</span> RECEIPT ACKNOWLEDGED <span style="float: right;">F</span>
We are sending here with 3 set of submittals & sample board for your approval		TO: CONSULTANT OFFICE

Item	Specification Reference:	DESCRIPTION	*TYPE	CODE	
				Submittal	Action
E-13	Electrical Works Clause No:B-12	<b>MATERIAL SUBMITTAL</b>			
		Telephone & Data Cabling (Building 2/3/4/ Guard Q-Tel Room)			B
		Proposed Materials: Telephone /Data Outlets / 4Pair Tel/Data Cables TJB / Tel Terminal Blocks. Patchpanels			
		Make:Norden UK			
		Local Agen;Electra -Doha			

COPIES	NAME AND SIGNATURE OF CONTRACTOR PROJECT MANAGER Engr. Zeyad N.Abu Mahmoud	MEH-COORDINATOR P.O.Box: 2798 Tel: 0974 - 4665076 Fax: 0974 - 4665073
--------	--	--

Consultant to enter Action Codes and Remarks, and return to Contractor

**REMARKS:**

1. THE MATERIAL IS APPROVED FOR TELEPHONE, DATA, CABLING & ACCESSORIES ONLY. THE PATCH PANEL & TERMINAL BOX LOCATION IS SUBJECT FOR APPROVAL OF UTOP DWG PRIOR TO INSTALLATION.

2. RECOMMENDED TO BE APPROVED & NOTED.

Corrections or comments made relative to submittals during this review do not relieve the contractor from compliance with the requirements of the drawings and specifications. This check is only for review of conformance with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for confirming and correlating all quantities and dimensions selecting fabrication processes and techniques of construction; coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner.

COPIES TO	NOU <i>[Signature]</i> 01/15/11
TP - Transmittal Cover Only	
FOR CONSULTANT DATE:	FOR ENGINEER (ASHGA) DATE:

1 Code to be entered by Contractor  
2 Code to be entered by Consultant

\* TYPE: SD - Shop drawings  
SM - Sample  
GT - Guarantee  
MT - Material

MD - Manufacturer's Data  
CT - Certificates  
OT - Other

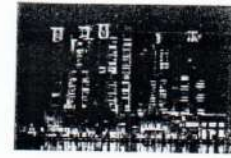
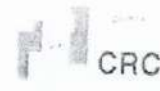
**RECEIVED**

BY: *[Signature]*





EHAFC



Project : 11 B Tower – Pearl Qatar

<b>MATERIALS SUBMITTAL FORM (MSF)</b>	2 <sup>nd</sup> Dec, 2013
---------------------------------------	---------------------------

Submittal. No: CRC/11B/MS/EL/025	Rev. No.002	Subject : Telephone System & Cable (CAT-6)
<input type="checkbox"/> Civil	<input type="checkbox"/> Arch.	<input checked="" type="checkbox"/> Electrical
		<input type="checkbox"/> HVAC
		<input type="checkbox"/> Plumbing
TO: Engineer / Consulting		FROM: CRC

**MATERIAL SUBMISSION DESCRIPTION (One item only on form):**

Drawing Reference BLM/027/SD/EL/TL/DP/01-08  
 Specs. Reference 24-9 Structural Cabling System BOQ Reference. \_\_\_\_\_  
 Standards, BS, ASTM.....: \_\_\_\_\_ Sample: \_\_\_\_\_

Submitted for review and approval  Substitution involved – Substitution request attached

Complied with contract requirements  Substitution involved, submission included fill point by comparative data or preliminary details

- Attached all relevant technical literature marked to identify relevant descriptions, current Test Certificates, samples, on appropriate.
- Material submitted for approval has been checked for conformance with drawings and specifications for this project.
- Any Deviation from plans and specifications have been noted on the material or listed in the transmittal letter.

**Manufacturer/Supplier:**

Name of Manufacturer NORDEN COMMUNICATION Country Manufacturer ITALY  
 Local Agent M/s Al-Shaghairi Trad. & Cont. Co. W.L.L. Address: P.O. NO. 31841, Doha-Qatar, +974-4431834

Program: \_\_\_\_\_  
 Availability \_\_\_\_\_  
 Total Delivery Time from Date of Order \_\_\_\_\_ Date Material Required on Site As per Required  
 Last Date of Order \_\_\_\_\_ Estimated Date of Arrival on Site \_\_\_\_\_

**Contractor's review note prior to submission:**

Remarks: \_\_\_\_\_

Prepared By [Signature] Accepted & Approved By CRC QC [Signature] Project Manager (Signature) [Signature]

Engineer/Consultant's Review Comments: \_\_\_\_\_ \*Approval Status\*:  
 Comments & Remarks on above submission:  
USEFUL TO EHAFC COMMITMENTS ATTACHED ON THIS SUBMITTAL

\*Legends:  A Approved  AB Approved As Noted  C Revised and Resubmit  D Rejected

Reviewed By [Signature] 16/12/13 Project Manager (Signature) [Signature] 21/12/13

Copy Distribution & Received by	Engineer / Consultant		Contractor	
	Name:		 21 DEC 2013 RECEIVED <u>[Signature]</u>	
	Date:			
Sign:				
RECEIVED 21 Dec 2013 C. Prabhakar				



MATERIAL SUBMITTAL ( EHA F ATTACHED COMMENTS)	
Subject:	TELEPHONE & STRUCTURED CABLING
Manufacturer :	NORDEM / U.K
Sub. Ref.	CRC/11B/MS/EL/025
Rev. No. :	01
Date:	16 DECEMBER 2013
Date Received:	16 DECEMBER 2013 (EHA F)

Action Code: " B " – Approved as Noted

**Consultant's Review Comments:**

1. The above mentioned propose manufacturer (**NORDEM**) for the Telephone & Structured Cabling is not listed in the approved vendor list. However, it could be considered technically approved equal as it is comply in the technical specification data requirement in **Section-21, Part-24, Clause- 24.9 and in QCS 2010 Section-21, Part-14.**
2. To attached the **factory Test certificate** for these particular Cat-6 Telephone & Fiber Optic cables on the reel/drum which to be delivered on site and submit material inspection for consultant validation.
3. The type of telephone cable from patch panel to each outlet shall be **Category-6 UTP 4-Pairs with (LSOH) Low Smoke Zero Halogen type.**
4. The complete installation of the Telephone System for the (**Tower-11B**) shall be in full complaint with the **Technical specification & (IFC) issued for construction drawing.**
5. Installation and testing & commissioning of Telephone system is by supplier or under supervision.
6. Submit Physical samples for the Telephone & Structured cabling.
7. Submit complete shop drawing for Telephone & Structured Cabling system.
8. Submit complete Method Statement installation and Testing & commissioning for Telephone & Structured Cabling system.
9. The approval of the aforementioned product shall be as per country of origin specified on the Bill of Material and the certificates shall be attached during material inspection for consultant verification for acceptance. However, **Made in China** shall not be accepted.
10. Delivery and Storage of the materials shall be in accordance to the project specification and **QCS 2010, Section-1, Part-9, Clause 9.2, Page-5**
11. Manufacturer's Guarantees and Warranties shall be as per **QCS 2010 Section-1, Part-7, and Clause 7.11.5** requirement.
12. This approval doesn't in anyway relieve the contractor responsibility from his contractual obligation.

**FOR EHA F:**





**EHAF**  
CONSULTING ENGINEERS

Project: PEARL QATAR TOWER 11-B

Name : Cesar C. Galang

Position : Senior Electrical Engineer

Signature: .....

Date: .....

16/12/13

Name : Abd El Sabour



Position : Senior Structural Engineer

Signature: .....

Date: .....

21/12/13



<b>PROJECT:</b> SIDRA VILLAGE STAFF HOUSING FOR SIDRA MEDICAL & RESEARCH CENTER											
<b>CLIENT:</b> MAZAYA QATAR REAL ESTATE DEVELOPMENT											
<b>CONSULTANT</b>	<b>CONTRACTOR</b>										
 المكتب العربي للشؤون الهندسية Arab Engineering Bureau	 SINOHYDRO Group Limited										
Date : 10 August 2014	Reference No.: AEB/NI/RIM-ELEC-208 REV. 0										
<b>REQUEST FOR INSPECTION OF MATERIAL</b>											
1. Date of Inspection	11-Aug-2014										
2. Description of Material	Fire Rated Cables(Fire Nor FPLR 2CX1.5MM2[500MTR/ROLL])-Norden ✓										
3. Material Submission Ref. No.	AEB/NI/MS-ELEC-042 Rev. 0 & Rev. 1										
4. Status of Approval	Approved As Noted										
5. B. O. Q. Reference	As per site requirement										
6. Specification Reference	Electrical Specification Section 21 Part 9										
7. Drawing Reference	Electrical IFC Drawings										
8. Approximate Quantity	Refer to Delivery note										
9. Country of Origin	United Kingdom										
10. Manufacturer	Norden										
11. Supplier / Agent	Ishield W.L.L.										
12. Date Delivered to Site	9-Aug-14										
13. Delivery Note Reference No.	252										
<b>A. E. B's COMMENTS</b>											
14. Material Status	<table border="1"> <tr> <td>Whether any physical damages?</td> <td>Yes</td> <td>No</td> <td rowspan="3">Signature A. Per... 11-08-14</td> </tr> <tr> <td>Whether approved for construction?</td> <td>Yes</td> <td>No</td> </tr> <tr> <td>Whether this material can be included in valuation of payment?</td> <td>Yes</td> <td>No</td> </tr> </table>	Whether any physical damages?	Yes	No	Signature A. Per... 11-08-14	Whether approved for construction?	Yes	No	Whether this material can be included in valuation of payment?	Yes	No
Whether any physical damages?	Yes	No	Signature A. Per... 11-08-14								
Whether approved for construction?	Yes	No									
Whether this material can be included in valuation of payment?	Yes	No									
15. Comments if any	Consultant Signature 11-8-2014  For: _____ Project Manager Date: 11/8/14										
<input type="checkbox"/> APPROVED <input type="checkbox"/> REJECTED <input checked="" type="checkbox"/> APPROVED AS NOTED <input type="checkbox"/> REVISE & RESUBMIT											





Date :10-08-2014  
 Project No.: 869-11  
 Ref. No.:AEB/NI/RIM-ELEC-287 Rev.0

**Inspection Check List**  
*Material Inspection*

Project :SIDRA Village Staff Housing  
 Owner : MAZAYA Realty Development Co.  
 Contractor : SINOHYDRO Group Limited

Material to be inspected:Fire Rated Cables


Location: Site Storage Area Date / Time: August 11, 2014 / 10:00 A.M.

	Inspected Item	Status	Comments
1.	Check whether the delivery note is attached.	ok	
2.	Check if the approved material submittal is attached.	ok	
3.	Check visually for any physical damage, corrosion, cracks, scales and other defects.	ok	
4.	Check whether any required Documents / test certificates are provided.	ok	
5.	Check if the quantities are as per the project requirement.	Partial only	
6.	Check if the material is stored in the correct and suitable place.	ok	

Done

Not Done  X

Not Applicable  N/A

Storage Location:	Site Storage Area
When / Where the material will be used:	All electrical installations for priority buildings.
Comments:	- Refer to IR.
Name/Signatures:	

A- Accepted






B- Accepted with comments

C- Revise and Resubmit

This Inspection check list is a guide and shall be considered in the routine inspections BUT not limited to it





<b>PROJECT:</b> SIDRA VILLAGE STAFF HOUSING FOR SIDRA MEDICAL & RESEARCH CENTER	
<b>CLIENT:</b> MAZAYA QATAR REAL ESTATE DEVELOPMENT	
<b>CONSULTANT</b>	<b>CONTRACTOR</b>
 المكتب العربي للشؤون الهندسية Arab Engineering Bureau	 <b>SINOHYDRO</b> SINOHYDRO Group Limited
Date : 06 August 2014	Reference No.: AEB/NI/IR-ELEC-286 Rev.0
<b>REQUEST FOR INSPECTION OF MATERIAL</b>	
1. Date of Inspection	9 Aug-2014
2. Description of Material	Fire Rated Cables
3. Material Submission Ref. No.	AEB/NI/MS-ELEC-042 Rev. 0 & Rev. 1
4. Status of Approval	Approved As Noted
5. B. O. Q. Reference	As per site requirement
6. Specification Reference	Electrical Specification Section 21 Part 9
7. Drawing Reference	Electrical IFC Drawings
8. Approximate Quantity	Refer to Delivery note
9. Country of Origin	United Kingdom
10. Manufacturer	Norden
11. Supplier / Agent	Ishield W.L.L.
12. Date Delivered to Site	20-Jul-14
13 Delivery Note Reference No.	30322
	
 LIU SHIAN Contractor	
<b>A. E. B's COMMENTS</b>	
14 Material Status	Whether any physical damages? Yes <input type="radio"/> No <input checked="" type="radio"/> Whether approved for construction? <input checked="" type="radio"/> Yes <input type="radio"/> No Whether this material can be included in valuation of payment? <input checked="" type="radio"/> Yes <input type="radio"/> No
15 Comments if any	Consultant Signature  Project Manager Date: 9/8/14
<del>Material as per approved material</del> Submittal. 2 pl 9/8/14	
<input checked="" type="checkbox"/> APPROVED <input type="checkbox"/> APPROVED AS NOTED	<input type="checkbox"/> REJECTED <input type="checkbox"/> REVISE & RESUBMIT





Date :6-08-2014  
 Project No.: 869-11  
 Ref. No.:AEB/NI/RIM-ELEC-286 Rev.0

**Inspection Check List**  
*Material Inspection*

Project :SIDRA Village Staff Housing  
 Owner : MAZAYA Realty Development Co.  
 Contractor : SINOHYDRO Group Limited

Material to be inspected:Fire Rated Cables

Location: Site Storage Area Date / Time: August 6, 2014 / 9:00 A.M. *Day*

	Inspected Item	Status	Comments
1.	Check whether the delivery note is attached.	✓	
2.	Check if the approved material submittal is attached.	✓	
3.	Check visually for any physical damage, corrosion, cracks, scales and other defects.	NO	
4.	Check whether any required Documents / test certificates are provided.	N/A	
5.	Check if the quantities are as per the project requirement.	✓	
6.	Check if the material is stored in the correct and suitable place.	✓	

Done ✓

Not Done X

Not Applicable N/A

Storage Location:	Site Storage Area
When / Where the material will be used:	All electrical installations for priority buildings.
Comments:	
Name/Signatures:	<i>Z. Vani 9/8/14</i>

**A-** Accepted

**B-** Accepted with comments

**C-** Revise and Resubmit

This inspection check list is a guide and shall be considered in the routine inspections **BUT** not limited to it



**SUB-CONTRACTOR**  
CCTV & SECURITY SYSTEMS



**MAIN-CONTRACTOR**  
AL-BALAGH



**CLIENT** المكتب الهندسي الخاص  
PRIVATE ENGINEERING OFFICE



**CONSULTANT**  
ARAB ENGINEERING BUREAU

Form No.098

SUBMITTAL	SUBMITTAL TRADE	SUBMITTAL PACKAGE	SUBMITTAL REFERENCE	REVIEW CYCLE	SUBMITTAL DATE
	ELE	CCTV SYSTEM	GN/MAT/CT11	1	4-5-09
CONTRACT TITLE:	BARZAN CAMP PHASE 1 - BOUNDARY WALL, GATES, WATCH TOWER AT AL WAJBA			CONTRACT REF:	FEO/PED/030/06/2008
FROM (Contractor):	AL BALAGH TRADING & CONTRACTING CO., W.L.L				
TO (Supervision Consultant):	ARAB ENGINEERING BUREAU				
<b>SUBMITTAL TYPE</b> <input type="checkbox"/> Shop Drawings <input type="checkbox"/> Samples <input type="checkbox"/> Certificates <input type="checkbox"/> Coordination Drawings <input checked="" type="checkbox"/> Informational Submittal <input type="checkbox"/> Manufacturer's Instructions <input type="checkbox"/> Product Data <input type="checkbox"/> Design Data <input type="checkbox"/> Manufacturer's Field Reports <input type="checkbox"/> Construction Photographs <input type="checkbox"/> Test Reports <input type="checkbox"/> Other					QUANTITY
					3
ITEM DESCRIPTION			REMARKS		
1. FIBER CABLE (OUTDOOR)			COUNTRY OF ORIGIN: UK MANUFACTURER: NORDEN  LOCAL AGENT: ELECTRA INSTALLER: GULF NETWORKS WLL		
<input type="checkbox"/> Review and Approval <input checked="" type="checkbox"/> Resubmitted for Review and Approval <input type="checkbox"/> For Information					
Contractor's Signature:			Date: 4/5/09		
COPIES TO: <input type="checkbox"/> Consultant <input type="checkbox"/> Contractor <input type="checkbox"/> File					
ENCLOSURES TO: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					
CONSULTANT TO ENTER ACTION CODE AND REMARKS AND RETURN TO CONTRACTOR:					
<input type="checkbox"/> General <input type="checkbox"/> Architect <input type="checkbox"/> Structure <input type="checkbox"/> Mechanical <input type="checkbox"/> Plumbing <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Landscape <input type="checkbox"/> Others					
<input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved as Noted <input type="checkbox"/> Revise and Resubmit <input type="checkbox"/> Not Approved					
Remarks: <i>Make it acceptable.</i> - Multimode Fiber Optic shall be 8 Core to be taken in consideration - 4core armoured fibre optic cable to be used for connection with CCTV cameras - Submit New Schematic Diagram as per New Client Requirement					
Approved As Noted 20-05-09 					
Supervision Consultant's Signature:			Date: 20-05-09		
PEO Authorized Signatory:			27-05-09		
COPIES TO: <input type="checkbox"/> PEO PM <input type="checkbox"/> Contractor <input type="checkbox"/> PM (Project Management) <input type="checkbox"/> File					
ENCLOSURES TO: <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					

Note : Allow for at least Fourteen working days for review.

Form: Submittal

H/4





**SUB-CONTRACTOR**  
شبكات الخليج  
CCTV & SECURITY SYSTEMS



**MAIN-CONTRACTOR**  
AL-BALAGH



**CLIENT** المكتب الهندسي الخاص  
PRIVATE ENGINEERING OFFICE



**CONSULTANT**  
ARAB ENGINEERING BUREAU

Form No.01062

SUBMITTAL	SUBMITTAL TRADE	SUBMITTAL PACKAGE	SUBMITTAL REFERENCE	REVIEW CYCLE	SUBMITTAL DATE
	ELE	CCTV SYSTEM	GN/MAT/CT17	1	10-6-09
CONTRACT TITLE:	BARZAN CAMP PHASE 1 - BOUNDARY WALL, GATES, WATCH TOWER AT AL WAJBA			CONTRACT REF:	PEO/PED/030/06/2008
FROM (Contractor):	AL BALAGH TRADING & CONTRACTING CO., W.L.L				
TO (Supervision Consultant):	ARAB ENGINEERING BUREAU				
SUBMITTAL TYPE					QUANTITY
<input type="checkbox"/> Shop Drawings <input type="checkbox"/> Coordination Drawings <input type="checkbox"/> Product Data <input type="checkbox"/> Construction Photographs <input type="checkbox"/> Samples <input checked="" type="checkbox"/> Informational Submittal <input type="checkbox"/> Design Data <input type="checkbox"/> Test Reports <input type="checkbox"/> Certificates <input type="checkbox"/> Manufacturer's Instructions <input type="checkbox"/> Manufacturer's Field Reports <input type="checkbox"/> Other					3
ITEM DESCRIPTION			REMARKS		
1. 42U CABINET FOR CCTV RACK 1. Declaration of conformity 2. Rack accessories confirmation letter			COUNTRY OF ORIGIN: UK MANUFACTURER : NORDEN LOCAL AGENT : ELECTRA INSTALLER : GULF NETWORKS WLL		
<input type="checkbox"/> Review and Approval <input checked="" type="checkbox"/> Recommended for Review and Approval <input type="checkbox"/> For Information					
Contractor's Signature:			Date: 10/06/09		
COPIES TO: <input type="checkbox"/> Consultant			<input type="checkbox"/> File		
ENCLOSURES TO: <input type="checkbox"/>			<input type="checkbox"/>		
CONSULTANT TO ENTER ACTION CODE AND REMARKS AND RETURN TO CONTRACTOR:					
<input type="checkbox"/> General <input type="checkbox"/> Architect <input type="checkbox"/> Structure <input type="checkbox"/> Mechanical <input type="checkbox"/> Plumbing <input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Landscape <input type="checkbox"/> Others <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Approved as Noted <input type="checkbox"/> Revise and Resubmit <input type="checkbox"/> Not Approved					
Remarks:					
* Model NN 8842X-800 is acceptable (subjected to conformation letter) dated May 20, 2009. * Approved As Noted 13.06.09 * Choose color that is appropriate to room design					
Supervision Consultant's Signature:			Date: 14/06/09		
PEO Authorized Signatory			Date: 23-06-09		
COPIES TO: <input type="checkbox"/> PEO PM <input type="checkbox"/> Contractor			<input type="checkbox"/> PM (Project Management) <input type="checkbox"/> File		
ENCLOSURES TO: <input type="checkbox"/>			<input type="checkbox"/>		

Note : Allow for at least Fourteen working days for review.

Form: Submittal

H/4







مجموعة كيوتك المحدودة ذ.م.م.  
Q-Tec Group Limited W.L.L



Ref: QTSYD/SPM29/C01

Date: 16/06/2009 Tue,

**WARRANTY CERTIFICATE**

**Project** : GULF HELICOPTERS  
**Contractor** : M/s. Q-Tec Group Limited W.L.L..  
**Client** : M/s. SPACE MAKER  
**Description of Material** : Telecom & Data  
**Manufacturer** : Norden, U.K  
**Supplier** : M/s. Electra  
**Date of Commissioning** : 10/06/2009

THE ABOVE TELECOM & DATA SYSTEM IS WARRANTED FOR A PERIOD OF 12 MONTHS FROM THE DATE OF COMMISSIONING, AGAINST DEFECTIVE MATERIALS OR WORKMANSHIP. WE UNDERTAKE TO REPAIR OR REPLACE ANY DEFECTIVE COMPONENT/MATERIAL DURING THIS PERIOD. THIS WARRANTEE DOES NOT COVER DAMAGES DUE TO ANY ACCIDENT MISHANDLING OR NEGLIGENCE ON THE PART OF THE CUSTOMER OR ANY UNAUTHORISED PERSON DAMAGES OR TAMPER THE SYSTEM.

For Q-Tec Group Limited W.L.L.

Abdul Rasheed  
Managing Director



www.qtecqatar.com

E-mail: info@qtecqatar.com / qtecq@qatar.net.qa

هاتف: ٢ / ١٧١ ٤٤٢٢١٧١ +٩٧٤، فاكس: ٣٧٧ ٤٤٢٢١٧٢ +٩٧٤، ص.ب: ٢٤٤٧٧، السدوحة - قطر  
 Tel: +974 4422171 / 3, Fax: +974 4422172, P.O. Box: 24477, Doha - Qatar

Jun. 17 2009 06:18PM PT



FRX NO. : +974 4422172

FROM: Q-Tec Group Ltd.






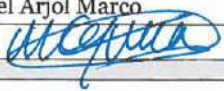





المالك / Owner :		الاستشاري / CONSULTANT :		المقاول / CONTRACTOR :	
 وزارة الداخلية وكالة التخطيط والتطوير الأمني		 <b>TST</b> Technical Support Team Agency for Security Planning & Development Ministry of Interior		 <b>ABV ROCK GROUP</b>	
PROJECT NO / رقم المشروع :		Project Name: / اسم المشروع :		Construction of One Helipad on the Northern Car Parking Deck of MOI Headquarter – Riyadh إنشاء مهبط للطيران العمودي بمواقف السيارات الشمالية بمقر وزارة الداخلية – الرياض	
Work Package / حزمة الأعمال :		Area :		Area :	
Location / الموقع :		HELIPAD AREA		Discipline ELECTRICAL	
<b>MATERIAL SUBMITTAL / تقديم مواد</b>					
Ref. No / رقم المرجع :		HP-000-AA-DE-MP-00014		Rev. No. 00	
Sub. To / التقديم الى :		TST		Date / التاريخ : 31-Jan-17	
				Contract No / رقم العقد :	
Material Description (One Item only per each form) / وصف المواد (مادة واحدة لكل نموذج) :					
Low Current Cables				<input checked="" type="checkbox"/> As Specification / حسب المواصفات <input type="checkbox"/> Alternative / بديل	
Drawing Ref / مرجع المخطط :		B.O.Q Ref No / المرجع في جدول الكميات :			
Specification Ref / مرجع المواصفات :		Standards, BS, DIN / المعايير :			
(Attach all relevant technical literature marked to identify descriptions, current test certificate, sample etc.) (ارفق كافة الوثائق الفنية لإيضاح الوصف وشهادات الاختبارات والعلقات وخلافه)					
MANUFACTURER / SUPPLIER / المورد / المصنع					
Company Name / اسم الشركة : PSE / HP-000-PH-DE-TR-0005		Local Manufactured / مصنع محلي : C.C.A.S.G Manufactured / مصنع خليجي			
Address / العنوان :		Production Period / مدة الانتاج :			
Local Agent / الوكيل المحلي : NORDEN		Delivery Ex-Works / تسليم الاعمال المصنعة : Total Delivery Time / مجموع الوقت للتسليم :			
		Overland / الشحن البري : Sea Freight / الشحن البحري : Total Freight / مجموع مدة الشحن :			
Programmed Date material required on site: التاريخ المبرمج للمادة لتتواجد بالموقع :		Expected date of arrival on site: التاريخ المتوقع للمادة لتتواجد بالموقع :			
Contractor's Authorized Manager توقيع المدير المخول من قبل المقاول		Name / الاسم : HANY EL NAHAS Position / الوظيفة : PROJECT MANAGER		SIGNATURE / التوقيع : DATE / التاريخ : 30-Jan-17	
Consultant's Comments / ملاحظات الاستشاري : (An approval does not relieve the Contractor of his obligations under the Contract and he shall be liable for all acts, defaults and negligence by the subcontractor) (الاعتماد لا يفي بالمقاول من التزامه بموجب العقد وسوف يكون مسؤولاً عن جميع الأعمال والإعدادات الافتراضية والإعمال من جانب المقاول من الباطن)					
<b>* Final Attached The Comment's Sheet *</b>					
Status / الحالة : <input type="checkbox"/> A - APPROVED معتمد <input checked="" type="checkbox"/> B - APPROVED AS NOTED معتمد بملاحظات <input type="checkbox"/> C - REVISE & RESUBMIT إعادة تقديم بملاحظات <input type="checkbox"/> D - REJECTED مرفوض					
Consultant's Representative ممثل الاستشاري Name / الاسم : Miguel Marco SIGNATURE / التوقيع : DATE / التاريخ :		Consultant Project Manager مدير المشروع من قبل الاستشاري Name / الاسم : Mustafa Sayal SIGNATURE / التوقيع : DATE / التاريخ :		MOI Project Manager مدير المشروع من قبل وزارة الداخلية Name / الاسم : SIGNATURE / التوقيع : DATE / التاريخ :	
INCOMING / وارد DATE / التاريخ : SIGNATURE / التوقيع :		OUTGOING / صادر DATE / التاريخ : SIGNATURE / التوقيع :			





 : Owner / المالك وزارة الداخلية وكالة التخطيط والتطوير الامني		: CONSULTANT / الاستشاري  <b>Technical Support Team</b> Agency for Security Planning & Development Ministry of Interior		: CONTRACTOR / المقاول  <b>ABV ROCK GROUP</b> مهندسون جيوتقنيون	
PROJECT NO / رقم المشروع		Project Name: اسم المشروع		Construction of One Helipad on the Northern Car Parking Deck of MOI Headquarter – Riyadh إنشاء مهبط للطيران العمودي بمواقف السيارات الشمالية بعقر وزارة الداخلية – الرياض	
Work Package / حزمة الأعمال		Area		Discipline	
Location / الموقع		Riyadh			
<b>ملحق الملاحظات / Additional Comments Sheet</b>					
Ref. No / رقم المرجع	HP-000-AA-DE-MP-00014			Rev. No.	0
Sub. To / الى التقديم	ABV Rock Group	Date / التاريخ	31/01/2017	Contract No / رقم العقد	
<p>Material list submitted for Low current Systems is approved as noted with two below items missed:</p> <ol style="list-style-type: none"> <li>1. Single Mode Fiber Optical Cable (Single-core and Multi-core, indoor and outdoor).</li> <li>2. Twister pair cooper cable CAT 6A indoor and outdoor.</li> </ol>					
<b>Consultant's Representative / ممثل الاستشاري</b> Name / الاسم : Miquel Arjol Marco SIGNATURE / التوقيع :  INCOMING / وارد DATE / التاريخ :			<b>The Consultant / الاستشاري</b> Name / الاسم : SIGNATURE / التوقيع :  OUTGOING / صادر DATE / التاريخ :		
Page 1 Of 1					



		Reference No / رقم المرجع <b>MTS E 0032</b>	UAE ARMED FORCES COMMAND OF MILITARY WORKS	القوات المسلحة لدولة الامارات العربية المتحدة قيادة الأشغال العسكرية
Rev / الطبعة <b>00</b>	Date / التاريخ <b>31-May-16</b>	طلب إعتقاد مواد <b>MATERIAL SUBMITTAL</b>		
CMW-13014-C001-MTS-E-0032		مرجع الوثيقة الكامل Full Document Reference	C001 - 13014	رقم العقد Contract No
اسم العقد Contract Name اشاعات لصالح الحرب الالكترونية بالمعسكر رقم 141216 أبو ظبي				
To / إلى قيادة الأشغال العسكرية		From / من فرونتير ووركس اورجنيزيشن للمقاولات المدنية ذ م م		
TECHNICAL SUBMITTAL FOR STRUCTURED CABLING SYSTEM				
المنطقة Zone		ALL	مستوى التطبيق F. Level	المنشأة Facility
CSI ID		WBS ID	ELECTRICAL	التخصص Discipline
Alternative (attach support documents) / بديل (إرفاق الوثائق الداعمة) <input checked="" type="checkbox"/> Complies with Contract documents / متوافقة مع وثائق العقد <input type="checkbox"/> Compliance				
Not Provided / لم تقدم <input type="checkbox"/> Provided / قدمت <input type="checkbox"/> Sample				
الحالة Status	رقم جدول المواصفات / المخططات Ref to BOQ / Specs / Dwgs	الشرح الكامل / الأبعاد / التفاصيل Full Description / Sizes / Details		رقم Se
		TECHNICAL SUBMITTAL FOR STRUCTURED CABLING SYSTEM NORDEN-UK		1 2 3 4
على المقاول أن يتعهد بأن كل المعلومات التي أصدرت تحت هذا التقديم قد تم مراجعتها والتحقق منها ووجدت مطابقة مع وثائق العقد ما لم يتم التنصير عليها. الحالة يجب تمسك بواسطة المراجع الأخير.				
under this Submittal have been reviewed and verified and found to be in compliance with the Contract documents unless ticked as "Alternative" for the reason of replacing the contractual Materials. * To be filled by the FINAL Reviewer ONLY using the key Code below				
من قبل Date <b>31-May-16</b>		التوقيع Signature 	الاسم Name Moeen Uddin Durrani	
SUBMITTAL REVIEW & COMMENTS Site Engineer / Consultant Site Engineer				
على الموقع / مهندس الموقع للإستشاري I have reviewed the submitted proposal and found it to be in compliance with the contract documents. The only comment is to ensure the cabling is done in accordance with the contract specifications.				
التوقيع Date		التوقيع Signature		
الاسم Name		الاسم Name		
Specialist Engineer / Specialist Committee				
على الموقع / اللجنة المختصة I have reviewed the submitted proposal and found it to be in compliance with the contract documents.				
التوقيع Date		التوقيع Signature		
الاسم Name		الاسم Name		
المراجعة (من خلال أحد مواقع) Review Status (by Final Approver)				
<input type="checkbox"/> مرفوض D = REJECTED	<input type="checkbox"/> تراجع و إعادة لتقديم C = REVISE & RESUBMIT	<input checked="" type="checkbox"/> موافق مع الملاحظات B = NO OBJECTION AS NOTED	<input type="checkbox"/> موافق A = NO OBJECTION	
27/06/16	التاريخ Date	التاريخ Date	التاريخ Date	التاريخ Date
	التاريخ Date	التاريخ Date	التاريخ Date	التاريخ Date
	التاريخ Date	التاريخ Date	التاريخ Date	التاريخ Date
CONTRACTOR'S RECEIPT				
Receiver CMW-0031-MTS-Rev 02-130612 SO 9001-2008		يجب أن يتم تعبئة كافة البيانات باللغة العربية All details must be filled in Arabic	التوقيع Signature	الاسم Name
التاريخ Date		التاريخ Date		

**فرونتير ووركس**  
**Frontier Works**  
 Organization Civil Contracting L.L.C.  
 P.O. BOX: 107974, ABU DHABI - U.A.E.



ترانسيت للحلول الامنية ذ.م.م.  
Transit Security Solutions L.L.C.

Ref No: 1114/17/GL

Date: February 20, 2017

To : Norden Communication Middle East  
Hamriyah Free Zone – Sharjah, UAE

Sub : Letter for Appreciation – To Whom It May Concern

Dear M/S Norden,

We would like to express our sincere appreciation for your service to us as one of our dearest regular suppliers. Over the years, you have provided the best products with even better customer service. Deliveries are often received earlier than expected, and you are quick to resolve any issues that arise. And we also appreciate your Sales Manager Mr. Suresh Chandran for his support and gracious customer service.

TRANSIT testify and strongly recommend to all our customers to go with Norden passive solution, which is high in terms of quality in the market and easy to deploy solution.

Our team could not be more satisfied with your service, Thank you for the favorable years in business together, and we look forward to continuing this relationship.

Warm regards,

Muhammad Danish  
Business Development Manager  
Transit Security Solutions LLC



Tel.: 02 5538502, Fax: 02 5538503, P.O. Box: 133702, Abu Dhabi, U.A.E.  
E-mail: info@transituae.com, Web: www.transituae.com



M/s Norden Communications Middle East  
Hamriyah Free Zone, Sharjah UAE  
Cell : 050 750-3156

Ref: AKS-2017/2017  
Dated: 9<sup>th</sup> Feb 2017

**Subject: Letter of Appreciation – To Whom It May Concern**

Dear Sir,

It is a privilege for us to have an association with Norden Communication, your significant contribution and support has elevated AAKSS International position in the market and helped us win several projects with our customers.

We wish to recommend strongly to all our customers to go with Norden.

We would like to appreciate for the support and quickest response from your whole team specially Technical, which is really commendable.

Thanking you.

Best Regards

**Mubarak H Haroon**  
Regional Head  
055-2645038



---

**AAKSS International Security Systems L.L.C**

Head Office: Suite # 302, Al Sundus Building, Al Nahda-2, PO Box: 29894, Dubai, U.A.E.  
Ph: 00971-04-2653 250 | Fax: 00971-04-2653252 | Cell: 00971-55-2645 038 | Email: sales@aksinternational.ae

[www.aksinternational.ae](http://www.aksinternational.ae)





Date: 25 Feb. 2017  
Ref. no.: GMIS-260217/5

**To**

M/s Norden communication Middle East  
Hamariya Freezone , Sharjah ,UAE

**Subject: Letter of appreciation –To whom may it concern**

Dear M/s NORDEN,

Please accept our sincere gratitude for your help during evaluation of King Hussein International Airport in Aqaba city.

Your daily inquiries let us know how much you cared and I am thankful to have business with your esteemed company.

Your continuous support leads us to win the project 3 phases:

**Arrivals Building**  
**Departures Building**  
**VIP Building**

GMIS would recommend our customers to go with Norden solutions.

On behalf of Green Matrix for Integrated Solutions, I express heartfelt thanks for all you do.

General Manager  
Eng. Zaker Abu Hijleh



Amman – Shafa Badran; Alarab street. Rawasi Center, 5th Floor  
Tel.: +962 6 5239993; Fax: +962 6 5239992; P.O.Box 927882 Amman 11190 Jordan  
E-mail: a.z@gmis.com.jo



Communication for **open minded**

Date: 26 Feb. 2017  
Ref. no.: GMIS-260217/6

**To**

M/s Norden communication Middle East  
Hamariya Freezone , Sharjah ,UAE

**Subject: Letter of appreciation –To whom may it concern**

Dear M/s Norden,

Please accept our sincere gratitude for your help during Basrah power plant project evaluation for Iraq.

(MEGA DEAL POWER PLANT SHAT AL BASRA 10 x GT9E NATURAL GAS/LDO  
FIRED OPEN CYCLE POWER PLANT 1250MW)

Your daily inquiries let us know how much you cared and I am thankful to have business with your esteemed company.

Your continuous support leads us to win the project as a turnkey solution with NORDEN infrastructure.

**Starting from Data and Telephone faceplates.  
CAT6 UTP cables, Telephone system cables, Fiber optic and speakers cables.  
Ending with different size of cabinets including its internal components and accessories.**

GMIS would recommend our customers to go with Norden solutions.

On behalf of Green Matrix for Integrated Solutions, I express heartfelt thanks for all you do.

General Manager  
Eng. Zaker Abu Hijleh



Amman – Shafa Badran; Alarab street. Rawasi Center, 5th Floor  
Tel.: +962 6 5239993; Fax: +962 6 5239992; P.O.Box 927882 Amman 11190 Jordan  
E-mail: a.z@gmis.com.jo



Certified By

معتدون من



Date: 02<sup>nd</sup> Mar, 2017

Ref: ATC/S/Nor/001

To: M/S Norden Communications Middle East

Attention: TO WHOM IT MAY CONCERN

Subject: Appreciation Letter

Dear M/S Norden,

It is a privilege for us to have an association with **Norden Communication**, you're significant Contribution and support has helped us win several projects with our clients.

**ALAYOUBI Technologies Co. LLC** would highly recommend our client to go with **Norden Communications**.

I would like to appreciate **Norden** for the support & significant contribution. You have always given quality output in all the undertook.

Thanks,

Waheem Shahid,  
Operations Manager,  
ALAYOUBI Technologies Co. LLC.





شركة أبو حجلة للمقاولات الكهربية ذ م م  
ABU HIJLEH ELECT.CONT.CO. W L L

To: Norden Communication Middle East  
Hamriya Free Zone-Sharjah,UAE

Date: 09-02-2017

Sub: Letter of appreciation – To Whom It May Concern

Dear M/S Norden,

It is a privilege for us to have an association with Norden Communication, your significant contribution and support has elevated AHECO position in the market and helped us win several projects with our clients with last various projects which are significant achievement for AHECO.

AHECO strongly recommend to all our clients to go with Norden Products, which is high in terms of quality in the market and easy to deploy solution, also great support we received from Norden.

I would like to appreciate Norden for the support and significant contribution in bringing our organization to finish this level and helping us to quote for various projects. You have always given the support for submitting the documents to the consultant to get the approvals.

Thanking you,

  
Ignatious Francis




Electrical Project Engineer

Abu Hijleh Electrical Contracting WLL

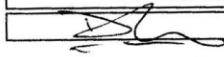
تليفون: ٠٢-٥٥٠١٥٩٩ - ٠٢-٥٥٢٠٠١٦ - فاكس: ٠٢-٥٥١٤٣٢٩ - ص.ب: ٧٧٨١ - أبوظبي - الإمارات العربية المتحدة  
Tel.: 02-5501599, 02-5530016 - Fax: 02-5514329 - P.O.Box: 7781 - Abu Dhabi - United Arab Emirates  
Email : aheco\_996@yahoo.com





Employer:  The Avoca Club	Consultant:  <b>RMJM</b> P.O. Box 6126 Dubai, United Arab Emirates	Main Contractor:  <b>AL ROSTAMANI PEGEL L.L.C.</b> P.O. Box. 26649, Dubai, UAE
Project: <b>AVIATION CLUB HOTEL</b>		<b>388</b>

<b>Material Submittal</b>	ARP Ref. No. P054/MO/4.06/A/308
	Subcon Ref. No. MS.OMN.ACH.SCN.61.1

Originator of the Submittal: Omnix International LLC	Date: 22 February 2010
Authorized Signature: 	Req. By:
	Trade: ELV

**Material Details**

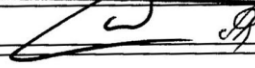
Item Description	Typical Structured Cabling Network Rack & Riser	<input checked="" type="checkbox"/>
Specification Reference	651 Structured Cabling construction	<input checked="" type="checkbox"/>
BOQ Reference	OMN-ACH-308-10-01	<input checked="" type="checkbox"/>
Drawing Reference	651-0400 to 651-0401	<input checked="" type="checkbox"/>
Material Specified	See attached BOQ	<input checked="" type="checkbox"/>
Material Proposed	Norden For RMJM	<input checked="" type="checkbox"/>
Manufacturer / Supplier	Date: 09/13/10	<input checked="" type="checkbox"/>
Reason for Alternative		<input checked="" type="checkbox"/>
Remarks	RMJM "no objection" does not relieve the Contractor of his responsibilities under the contract.	

**List of Enclosure**

- Vendor's Technical Literature
- Compliance Statement
- Previous Test Results
- Copy of the related specifications
- Samples
- List of previous projects done
- Others (Please specify):

13 MAR 2010

Main Contractor Statement: We certify that the material submitted herein has been reviewed in details and in compliance with the contract drawings and specifications except as otherwise stated hereabove.

Main Contractor Signature: 	Date: 27-02-2010
RMJM Received:	Date:

**Action**

A - No Objection   
  B - No Objection With Comments **REWORK**   
  C - Ojection  
 IR - Incomplete, Resubmit   
  Others


**RMJM Engineer's Comments:**

- (\*) CAT-3 CABLE SHALL BE LSOH OUTER SHEATH AS PER SPECIFICATION. THE PROPOSED PVC OUTER SHEATH IS NOT ACCEPTABLE.
- (\*) PROPOSED FIBER CABLE DOES NOT MEET THE PROJECT SPECIFICATION, IN POINT 'CRUSH' WHICH SHOULD BE 400N, THE OUTER JACKET SHOULD BE AS PER BSI-0610 SPEC. CLAUSE.
- (\*) ENSURE FULL COMPLIANCE OF SPECIFICATION AND ETISALAT STANDARDS.
- (\*) REFER ATTACHED SQA FOR REVIEW NOTES.
- (\*) REQUIRED MATERIAL ON-TAKE-OFF TO COMPLETE THE WORK WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.

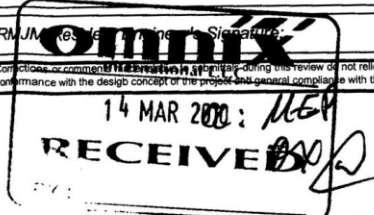
RMJM Engineer's Signature: 	Date:
--	-------

**RMJM Resident Engineer's Comments:**

14 MAR 2010

RMJM Resident Engineer's Signature: 	Date:
---	-------

Completion of comments on this submittal does not relieve the contractor from compliance with the contract requirements and specifications. This check is only for review of general conformance with the design concept of the project and general compliance with the information given in the contract documents.



TO	
ACTION	
INITIAL	
DATE	



T:\Material Submittals Issued\MS.OMN.ACH.SCN.61.1 - Structured Cabling Material Submittal



<b>CONSULTANT</b> 		<b>CLIENT</b>  King Fahd Center For Disability Resources Guiding Handicapped People		<b>CONTRACTOR</b>  RIYADH DEVELOPMENT COMPANY FOR CONST. & TRDG. LTD.  ALFAYHAA Construction & Contracting	
		<b>PROJECT</b>  Radisson Blu Hotel & Furnished Apartments DQ, Riyadh			
<b>MATERIAL SUBMITTAL</b>					
Ref. No.:		M S - E - 2 0 7 - - R0		Date: 0 8 0 1 2 0 1 7	
<input type="checkbox"/> Architectural <input type="checkbox"/> Structural		<input checked="" type="checkbox"/> Electrical <input type="checkbox"/> Mechanical		<input type="checkbox"/> Civil <input type="checkbox"/> Interior Design <input type="checkbox"/> Furniture/Equipment <input type="checkbox"/> Others	
Description*		Manufacturer		No. of Catalogue/Sample	
BMS Cable		NORDEN		3+CD	
* Description: (Manufacture, Model, Type, Size, Colour, etc.)				Code: (B)	
<input checked="" type="checkbox"/> Catalogue <input type="checkbox"/> Drawing <input checked="" type="checkbox"/> Sample <input type="checkbox"/> Certificate		<input type="checkbox"/> Calculation <input checked="" type="checkbox"/> Document		Specs. No. 15180	
Having checked this submittal, we certify that it conforms to the requirements of the Contract Documents in all respects, except as otherwise indicated herein (					
Material Engineer/Name & Signature:			Project Manager/Name & Signature:		
Received by: _____ Date: _____ Name & Signature of Consultant: _____					
Remarks / Comments:					
*The submitted material of BMS cable by NORDEN IS accepted as per attached documents and contract specifications.					
RECEIVED 28 JAN 2017  03:15 PM.					
Status: A Approved    C Revise & Resubmit, Work shall not proceed    N No Action <input checked="" type="radio"/> B Approved as noted    D Rejected - Resubmit					
Consultant Site Office			Consultant Head Office		
Engineer:		Project Manager:			
Date: 09/01/2017		Date: 23/1/17		Date: 21/1/17	
Name & Signature:		Name & Signature:		Name & Signature:	

RECEIVED BY 28-01-17



مؤسسة تنظيم الصناعة الأمنية  
SECURITY INDUSTRY REGULATORY AGENCY



التاريخ : 29/01/2017  
المرجع : SSP20170129 2114

## شهادة تسجيل Registration Certificate

### معلومات الرخصة

License No. : 891  
Date of Issue : 07/04/2013  
Date of Expire : 06/04/2017

### بيانات الرخصة

رقم الرخصة : 891  
تاريخ الاصدار : 07/04/2013  
تاريخ الانتهاء : 06/04/2017

### معلومات الشركة

Trade Name : NORDEN COMMUNICATON MIDDLE  
EAST FZE  
Legal Type : Branch of a Foreign Company Branch  
or Representative Office

### بيانات المتقاضي

الاسم التجاري : نوردين لاتصالات الشرق الاوسط م ح  
الشكل القانوني : فرع أو مكتب ممثل لشركة أجنبية

### نشاط الرخصة

Security Control & Alarm Equipment Trading  
Security Devices and Equipment Trading

### نشاط الرخصة

تجارة أجهزة ومعدات الإنذار والمراقبة  
تجارة الأجهزة والمعدات الأمنية

### معلومات الرخصة

License Owner : JOSEPH KODATH JOHN  
Nationality : India

### معلومات الرخصة

صاحب الترخيص : جوزيف كوداث جون  
الجنسية : الهند

P.O. Box : 341072 : صندوق البريد : فاكس : +971-4-3926395 : هاتف : +971-4-3926391



### ملاحظات:

- You have to renew this license annually.  
- This License is not considered as trade license and any changes or additions will abandon it.

Printed Date: 30/01/2017 09:39:51

### ملاحظات:

- يرجى تجديد هذه الرخصة سنويا  
- هذا الترخيص لا يعتبر ترخيص تجاري وأي كسب أو تغيير أو إضافة فيه يلغيه

تاريخ الطباعة : 30/01/2017 09:39:51



sira.gov.ae

+971 4 7023 666

+971 4 7023 555

30306, Dubai-UAE

info@sira.gov.ae





 <b>RTCC</b> شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING & CONTRACTING CO. LTD.	مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب <b>King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</b>	 <b>NKY</b> ARCHITECTS & ENGINEERS
 Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني		

**MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد**

Site No/الموقع رقم: 35H	Site Name / اسم الموقع: Dormitories - Type 2	Project No. / رقم المشروع: KAP2C1
Bldg. No. / رقم المبنى: General	Bldg. Name / اسم المبنى: General	Location / المكان: JAZAN
To / إلى: NKY - Architects & Engineers	Submittal No/ رقم التقديم: KAP2C 1-MAT-35H-EL-0100 (B)	Date & Time / الوقت و التاريخ: 21 December 2016
Attention/مخاطبة: Engr. Yavus Gokhan - NKY PD	Request Return Date: 28 December 2016	
From / من: Engr. Mohd. Al Jedia - Contractor's PD		

**MATERIALS DETAILS / تفاصيل المادة المقدمة**

Material Description/وصف المادة: MATV Cables - Fiber Optic	Standard / Specifications/المواصفات: As per Supplier's Recommendation
Supplier/المصنع: Control Links Est. / Norden	Contact Person/المسؤول: Mr. Mohammad Odeh
Address Details/العنوان: Riyadh, KSA	Local Agent/الوكيلة: Control Links Est.
Contact Person/المسؤول المحلي: Mr. Mohammad Odeh	Tel: +966 1 4735655
Address Details/العنوان المحلي: Riyadh, KSA	

Availability/المصدر: <input checked="" type="checkbox"/> Local/محلي	<input type="checkbox"/> Imported/مستورد
Status / التوصيف: <input type="checkbox"/> Specified/مؤسف	<input type="checkbox"/> Alternative/بديل

**ENCLOSURES / المرفقات**

<input checked="" type="checkbox"/> Catalogue / كتالوج Technical Data Sheet	<input type="checkbox"/> Sample / عينات	<input type="checkbox"/> List of Suppliers / قائمة موردين
<input type="checkbox"/> Product Verification / شهادة توثيق	<input type="checkbox"/> Comparison Sheet / قائمة مقارنة	<input type="checkbox"/> Other / أخرى (Previous Approval)

Contractor's Note / ملاحظات المقاول: *To be used for the whole project where applicable as per approved Specifications and Shop Drawings*

Submitted for / الغرض من التقديم:  Approval / للإعداد  Information / للمعلومية  Coordination / للتنسيق

Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications).  
المقاول: عند تعبئة النموذج يشهد المقاول أن الوثائق تتطابق مع مواصفات العقد

Signature/التوقيع: _____	Date/التاريخ: _____	Signature/التوقيع: _____	Date/التاريخ: 21 Dec 2016
Material Eng. / مهندس المواد: _____		Contractor's Representative / ممثل المقاول: Engr. Waheed Mallisho	Date/التاريخ: _____

Engineer: (For Engineer's use only)

Received by / اسم المستلم: _____	Received Date / تاريخ الاستلام: _____	Received Time / وقت الاستلام: _____
----------------------------------	---------------------------------------	-------------------------------------

Engineer Comments / توصيات الاستشاري: **Code B - Approved as noted** 26/1/2017  
**shall provide country of origin & SASO certificate prior to material delivery.**  
 This approval does not relieve the contractor of his responsibility as per the contract

Engineer Signature / توقيع الاستشاري: <i>Hussam AlKhatieb</i>	Title / الوظيفة: <b>Hussam Moh'd AlKhatieb</b>	Date / التاريخ: <b>29/1/2017</b>
---	--	----------------------------------

Result: **Hussam AlKhatieb Head Of Electrical**

<input type="checkbox"/> A-Approved	<input checked="" type="checkbox"/> B-Approved as Noted Return Clear Copy	<input type="checkbox"/> C- Revise & Resubmit يراجع وبعاد التقديم	<input type="checkbox"/> D-Received for information استلم للمعلومية
<input type="checkbox"/> E- Rejected مرفوض	<input type="checkbox"/> F- No Action إجراء بدون		

Distribution Copy / نسخة:  MOI  NKY  Contractor  S/C







<b>Client:</b>	Ministry of Interior - MOI	<b>Project Name:</b>	KAP2 - Phase C1
<b>Engineer:</b>	NKY Architects & Engineers - NKY	<b>Reference Submittal / Transmittal:</b>	KAP2C1-MAT-35H-EL-0100 (B)
<b>Contractor:</b>	Al-Rashid Trading & Contracting Co. LTD.	<b>Document Subject:</b>	MATV Cable - Fiber Optic
<b>Project Title:</b>	Custodian of Two Holy Mosques the King Abdullah Bin Abdulaziz's Project-Phase A	<b>Received Date:</b>	5/1/2017
		<b>Return Date:</b>	26/1/2017

No.	Ref.	Comments
<b>Code B : Approved as noted</b>		
1		Central Loose Tube Armoured Outdoor <b>6 Core</b> Single Mode <b>Fiber Optic cable</b> ( Part No. 3108-31006FFXCL from Norden - UK) OS2 9/125 micro meter, Operating Temperature : - 20°C to 60°C ( <b>Acceptable</b> )
2		It remains the contractor's responsibility to ensure that all data provided in the equipment catalogues, documents and compliance sheet are accurate and confirm to the requirements of the contract specifications.
3		Embossing on cable shall indicate the following :
		a. Type of cable, No. of cores, insulation PVC/LSZH.
		b. Relative standards
		c. Manufacturer's name
4		d. Year of manufacturing
		Country of Origin Certificate to be provided at the time of delivery.
5		SASO Certificate to be provided at the time of delivery.
6		The operating environment must comply with the environmental specifications ( Ambient Temperature , Storage Temperature, Operating Humidity. Maximum Humidity Gradient, Operating Altitude and Vibration.

Issued By:			
<u>Name, Surname</u>	<u>Title</u>	<u>Signature</u>	<u>Date</u>
Eyad H. Ghaith	Electrical Engineer		26/Jan/2017





 <b>RTCC</b> شركة الراشد للتجارة وشركات المحلولة AL-RASHID TRADING & CONTRACTING CO. LTD.	مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب <b>King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</b>	 <b>NKY</b> ARCHITECTS & ENGINEERS
 Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني		

JAN 31 '17 AM 7:58

**MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد**

Site No/رقم الموقع: 35H	Site Name / اسم الموقع: Dormitories - Type 2	Project No./رقم المشروع: KAP2C1
Bldg. No./رقم المبنى: General	Bldg. Name/اسم المبنى: General	Location/المكان: JAZAN
To/إلى: NKY - Architects & Engineers	Submittal No/رقم التقديم: KAP2C 1-MAT-35H-EL-0125 (A)	Date & Time/الوقت و التاريخ: 08 January 2017
Attention/عناية: Engr. Yavus Gokhan - NKY PD	Date & Time/الوقت و التاريخ: 08 January 2017	Request Return Date: 15 January 2017
From/من: Engr. Mohd. Al Jedia - Contractor's PD	Request Return Date: 15 January 2017	

**MATERIALS DETAILS / تفاصيل المادة المقدمة**

Material Description/وصف المادة: Analogue CCTV Cable - Coaxial	Standard / Specifications/المواصفات: Section 16760
Supplier/Manufacturer/المصنع/المورد: Control Links Est. / Norden	Contact Person/المسؤول: Mr. Mohammad Odeh
Address Details/العنوان: Riyadh, KSA	Local Agent/الوكيلة: Control Links Est.
Contact Person /المسؤول المحلي: Mr. Mohammad Odeh	Tel: +966 1 4735655
Address Details/العنوان المحلي: Riyadh, KSA	

Availability/المصدر: <input checked="" type="checkbox"/> Local/محلي	<input type="checkbox"/> Imported/مستورد
Status / التوصيف: <input type="checkbox"/> Specified/مؤسف	<input type="checkbox"/> Alternative/بديل

**ENCLOSURES / المرفقات**

<input checked="" type="checkbox"/> Catalogue / كتالوج Technical Data Sheet	<input type="checkbox"/> Sample / عينات	<input type="checkbox"/> List of Suppliers / قائمة موردين Other (Specify) / أخرى (محدد)
<input type="checkbox"/> Product Verification / شهادة توثيق	<input type="checkbox"/> Comparison Sheet / ورقة مقارنة	<input type="checkbox"/> Other (Specify) / أخرى (محدد)

Contractor's Note / ملاحظات المقاول: To be used for the whole project where applicable as per approved specifications and drawings

Submitted for/ المقدم من:  Approval/ لإعتماد  Information/ للمعلومية

Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications)

Signature/التوقيع: \_\_\_\_\_ Date/التاريخ: 08 Jan 2017  
 Material Eng. /مهندس المواد: \_\_\_\_\_ Contractor's Representative/ ممثل المقاول: Engr. Waheed Mallisho Date/التاريخ: \_\_\_\_\_

Engineer : (For Engineer's use only)

Received by / باسم المصمم: \_\_\_\_\_ Received Date / تاريخ الاستلام: \_\_\_\_\_ Received Time / بوقت الاستلام: \_\_\_\_\_

Engineer Comments/ توصيات المهندس: **Code B - Approved as noted**  
**Shall provide country of origin & SASO certificate prior to material delivery.**  
 26/1/2017

Engineer Signature / توقيع المهندس:  Title: **Hussam Moh'd AlKhatieb** Date: **29/1/2017**  
 الوظيفية: **Head Of Electrical**




Result:

<input type="checkbox"/> A-Approved يتمتد	<input checked="" type="checkbox"/> B-Approved as Noted Return Clear Copy يتمتد بملاحظات	<input type="checkbox"/> C- Revise & Resubmit يراجع ويعد التقديم إجراء بدون	<input type="checkbox"/> D-Received for information استلم للمعلومية
<input type="checkbox"/> E- Rejected مرفوض		<input type="checkbox"/> F- No Action إجراء بدون	

Distribution Copy / نسخة:  MOI  NKY  Contractor







 <b>RTCC</b> شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING & CONTRACTING CO. LTD.	مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية – المرحلة الثانية ب <b>King Abdullah Ibn Abdulaziz Project For Development          of the Security Facilities for MOI KAP-2.....</b>	 <b>NKY</b> ARCHITECTS & ENGINEERS
 Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني		
<b>Material List – Sample Board</b>		
Supplier/Manufacturer /المصنع/المورد: Control Links Est. / Norden		
Material Description/المادة/وصف : <b>Coaxial Cable for Analogue CCTV System</b>		
<b>Item</b>	<b>Description</b>	
1	Norden UK RG 11U Coaxial Cable 75 Ohm BC Braid 95% Coverage	





			
26/Jan/17			
<b>Client:</b>	Ministry Of Interior - MOI	<b>Project Name:</b>	KAP2C1
<b>Engineer:</b>	NKY Architects & Engineers - NKY	<b>Reference Submittal / Transmittal:</b>	KAP2C1-MAT-35H-EL-0125 ( A )
<b>Contractor:</b>	Al-Rashid Trading & Contracting Co. LTD.	<b>Document Subject:</b>	Analogue CCTV Cables Material - 35H
<b>Project Title:</b>	Custodian of Two Holy Mosques the King Abdullah Bin Abdulaziz's Project	<b>Received Date:</b>	8/1/2017
		<b>Project No:</b>	KAP2C1
<b>COMMENT SHEET</b>			
<b>Ref.</b>	<b>Comments</b>		
	<b>Code B</b>		
1	RG-11 Coaxial Cable (Part No. 475-013B95 from Norden - UK.) Coaxial cable is marked with manufacturer's name Norden UK, Conductor: Bare Copper, Outer Jacket: PVC black color, Impedance: 75 Ω, Capacitance: 52.0 pF/m, Attenuation: 1.51 dB/100m @ 10 MHz, Operating Temperature : -20°C to +75°C. ( <u>Acceptable</u> )		
2	Shall use the required media amplifiers for long distance cable run or installation to maintain power signal at certain level.		
3	Shall provide country of origin certificate of the RG11 Coaxial cable prior to material delivery		
4	Shall provide SASO certificate of the RG11 Coaxial cables prior to material delivery		
5	Coaxial cable shall be according to tender specifications and MTR.		
<b>Issued By:</b>			
<b>Name_Surname</b>	<b>Title</b>	<b>Signature</b>	<b>Date</b>
Eyad H. Ghailh	Electrical Engineer		26/1/2017







R-IN-27422

Kingdom of Saudi Arabia Security Planning and Development Agency - KAP4 Project			
Ministry of Interior		PROGER Engineering & Management	
Al Rashid Trading & Contracting			
Project Name:	Sports Training Center (Najran)	Submittal No.	Rev.
Project No.:	108	KAP4 - MAT - 108 - BXXX - TT - 0013	3
To:	Project Manager - Proger Head Office	Date:	22-Jan-17
<b>Document / Material Submittal</b>			
Discipline:	<input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For:	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments:	<input type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification		
	<input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify ( RDO, Co. Profiles, Legal Docs & References)		
Item Description			No. of Submittals
IP TELEPHONY AND DATA SYSTEM (PASSIVE COMPONENTS)			1
			Submittal No.
			1
Copies:	Document; Material Description	Reference Specs #	
1	IP TELEPHONY AND DATA SYSTEM (PASSIVE COMPONENTS)	ZF 16715	
Supplier Data			
Name:	EBTTIKAR TECHNOLOGY CO. LTD.		
Address:	P.O. Box 52908, Riyadh 11573, Kingdom of Saudi Arabia		
Manufacturer Data			
Name:	NORDEN		
Address:	United Kingdom		
Samples			
Samples Description			
Remarks:			
To be used for:	the whole Project location as per approved design drawing and relevant specification.		Eng. Mohammed Al Jedia Deputy General Manager
For Contractor: (Name / Title / Signature / Stamp)			
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. Remarks: <b>ACTION CODE B</b>			
Norden UK make IP Tel/data network passive components are approved subject to our comments on doc.			
Mujahid Ahmed			
Connectors or accessories shall adhere to submittal during this review do not relieve the contractor from full compliance with the requirements of the contract documents, dimensions, spacing, fabrication processes and techniques of construction, coordinating the work with that of other trades, and performing the work in a safe and satisfactory manner and complying all requirements and conforming with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the precise specifications. This check is only for general review.			
Action:	<input type="checkbox"/> A APPROVED AS SUBMITTED	<input checked="" type="checkbox"/> B APPROVED AS NOTED	<input type="checkbox"/> C REVISE AND RESUBMIT
	<input type="checkbox"/> D REJECTED	<input type="checkbox"/> E FOR INFORMATION	
For Engineer's rep.		Supervisor/Manager:	
Review By:	31-Jan-2017	Eng. Francesco Clemente	31-Jan-2017
Eng Baraa Al Ma'ani		Name / Title	Signature / Stamp
Signature	Date		Date

K4.COM.002.ver11 Submittal Form RTCC



K4.COM.007.V01 Submittal/Material Submittal



R-IN-27422

 Kingdom of Saudi Arabia Security Planning and Development Agency - KAP4 Project		 PROGER Engineering & Management		 Al Rashid Trading & Contracting	
Project Name: Sports Training Center (Makkah Al Shara'a) Project No.: 115 To: Project Manager - Proger Head Office		Submittal No. KAP4 - MAT - 115 - BXXX - TT - 0013 Date: 22-Jan-17		Rev. 3	
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input checked="" type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( (BQQ, Co. Profiles, Legal Docs. & References)					
<b>Item Description</b>				No. of Submittals	
IP TELEPHONY AND DATA SYSTEM (PASSIVE COMPONENTS)				1	
				Submittal No.	
				1	
Copies		Document; Material Description		Reference Specs #	
1		IP TELEPHONY AND DATA SYSTEM (PASSIVE COMPONENTS)		ZF 16715	
<b>Supplier Data</b>					
Name:		EBTTIKAR TECHNOLOGY CO. LTD.			
Address:		P.O. Box 52908, Riyadh 11573, Kingdom of Saudi Arabia			
<b>Manufacturer Data</b>					
Name:		NORDEN			
Address:		United Kingdom			
Samples					
Samples Description					
Remarks:					
To be used for:		the whole Project location as per approved design drawing and relevant specification		 Engr. Mohammed Al Jedia Deputy General Manager	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. Remarks: <b>ACTION CODE B</b> Norden UK make IP Tel/data network passive components are approved subject to our comments on  Mujahid Ahmed					
<small>Contractor or customer credit relative to submittal during this review do not release the contractor from full compliance with the requirements of the contract documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner, and consulting all questions and concerns with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep.		Supervisor/Manager:			
Review By:					
Eng Baraa Al Ma'ani 		31-Jan-2017		Eng. Francesco Clemente  31-Jan-2017	
Name:		Date:		Name / Title	
Signature		Date		Signature / Stamp	

K4.COM.002 ver01 Submittal Form-RTCC

K4.COM.002.00 Document/Material Submittal



R-IN-27422

 Ministry of Interior		 PROGER Engineering & Management		 Al Rashid Trading & Contracting	
Kingdom of Saudi Arabia Security Planning and Development Agency - KAP4 Project					
Project Name: Sports Training Center (Jazan)		Submittal No. KAP4 - MAT - 114 - BXXX - TT - 0013		Rev. 3	
Project No.: 114		Date: 22-Jan-17			
To: Project Manager - Proger Head Office					
<b>Document / Material Submittal</b>					
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec					
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use					
Attachments: <input type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input checked="" type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification (BOD, Co. Profiles, Legal Docs. & References)					
<input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (					
Item Description				No. of Submittals	
IP TELEPHONY AND DATA SYSTEM (PASSIVE COMPONENTS)				1	
				Submittal No. 1	
Document; Material Description				Reference Specs #	
Copies	1				ZF 16715
Supplier Data					
Name:		EBTTIKAR TECHNOLOGY CO. LTD.			
Address:		P.O. Box 52908, Riyadh 11573, Kingdom of Saudi Arabia			
Manufacturer Data					
Name:		NORDEN			
Address:		United Kingdom			
Samples					
Samples Description					
Remarks:					
To be used for: <i>the whole Project location as per approved design drawing and relevant specification</i>				Engr. Mohammed Al Jada Deputy General Manager	
For Contractor: (Name / Title / Signature / Stamp)					
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.					
Remarks: <b>ACTION CODE B</b>					
Norden UK make IP Tel/data network passive components are approved subject to our comments on MOD: Al					
Mujahid Ahmed					
<small>Contractor is responsible to submit, through the review, that review the contractor for full compliance with the requirements of the contract documents, drawings, specifications and technical requirements of construction, coordinating the work with that of other trades, and performing the work to the satisfaction and control of quantities and schedule with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>					
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT					
<input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION					
For Engineer's rep. Review By: Eng Baraa Al Ma'ani 			Supervisor/Manager: Eng. Francesco Clemente 		
Name:		Date: 31-Jan-2017		Date: 31-Jan-2017	



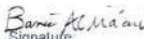

K4 COM 002 ver01 Submittal Form-RTCC

K4 © COM 002 Ver 01 Document/Material Submittal





R-IN-27422

  	
Kingdom of Saudi Arabia Security Planning and Development Agency - KAP4 Project	
Ministry of Interior      PROGER Engineering & Management      Al Rashid Trading & Contracting	
Project Name: Sports Training Center (Abha) Project No.: 109 To: Project Manager - Proger Head Office	Submittal No. KAP4 - MAT - 109 - BXXX - TT - 0013 Rev. 3 Date: 22-Jan-17
<b>Document / Material Submittal</b>	
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec	
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use	
Attachments: <input type="checkbox"/> Sample <input type="checkbox"/> Catalogue / Manuals <input checked="" type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input checked="" type="checkbox"/> Others/Specify (BOQ, Co. Profiles, Legal Docs. & References)	
<b>Item Description</b>	
IP TELEPHONY AND DATA SYSTEM (PASSIVE COMPONENTS)	
No. of Submittals	1
Submittal No.	1
Copies	Reference Specs #
1	ZF 16715
<b>Supplier Data</b>	
Name: EBTIKAR TECHNOLOGY CO. LTD. Address: P.O. Box 52908, Riyadh 11573, Kingdom of Saudi Arabia	
<b>Manufacturer Data</b>	
Name: NORDEN Address: United Kingdom	
Samples Description: Remarks:	
To be used for: the whole Project location as per approved design drawing and relevant specification.	
Eng. Mohammed Al Odeia Deputy General Manager	
For Contractor (Name / Title / Signature / Stamp)	
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor: Remarks: <b>ACTION CODE B</b> Norden UK make IP Tel/data network passive components are approved subject to our comments on MOU Ahmed Mujahid Ahmed	
<small>Contractor to ensure all submittals during the review do not reduce the contractor from full compliance with the requirements of the contract documents, drawings, conditions, including fabrication processes and techniques of construction, concerning the work items that are the subject, and performing the work in a safe and satisfactory manner and conforming to the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>	
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION	
For Engineer's rep. Review By: Eng Baraa Al Ma'ani  Date: 31-Jan-2017	
Supervisor/Manager: Eng. Francesco Clemente  Date: 31-Jan-2017	

K4 COM 002 ver01 Submittal Form-RTCC

K4 COM 002 ver01 Document/Material Submittal





To: Norden Communication Middle East  
Hamriya Free Zone – Sharjah, UAE

Date: 14<sup>th</sup> January 2017

**Sub: Letter of appreciation**

Dear M/S Norden,

It is big privilege for us to have an association with Norden Communication Middle East. We would like to express our sincere appreciation for your efficient, good customer service and support which has a great contribution to the success of our projects.

United Security Technology LLC (UST) will highly recommend your service to other companies and contacts.

We look forward to extending our business relation with you for years to come, and hope you will continue to provide such excellent service to us.

Thanking you,

Midhun Manohar  
Account Manager



**United Security Technology LLC**  
www.ust.ae Email : info@ust.ae



**ABU DHABI (HEAD OFFICE)**  
Al Otaiba Tower, Suit # 703, 7th Floor  
Hamdan Street, P.O. Box 46039, Abu Dhabi - U.A.E.

**DUBAI**  
Single Business Tower, Suit # 401, 4th Floor  
Nr. Business Bay Metro Station, P.O. Box : 23772, Dubai - U.A.E.

**AL AIN**  
Al Otaiba Tower, Suit # M/204  
Al Jahily, Al Ain - U.A.E.

**INDIA**  
Vengalil Tower, Changaramkulam  
Malappuram District, Kerala - India  
P.O. Box - 679585 Tel. : +91 484 9656655



شركة ابتكار للتقنية المحدودة  
EBTTIKAR TECHNOLOGY COMPANY Ltd.



To: Norden Communication Middle East  
Hamriyah Free Zone – Sharjah, UAE

Date: 08-02-2017

Sub: Letter of appreciation – To whom it may concern

Dear M/S Norden,

It is a privilege for us to have an association with Norden Communication, your significant contribution and support has elevated Ebttikar position in the market and helped us win several projects with our customers, especially with KAP projects which is a significant achievement for Ebttikar.

Ebttikar testify and strongly recommend to all our customers to go with Norden Passive solution, which is high in terms of quality in the market and easy to deploy solution, also great support we received from Norden.

I would like to appreciate Norden for the support and significant contribution in bringing our organization to this level and helping us win the prestigious KAP projects. You have always given quality output in all the projects you undertook, which is commendable.

Thanking you,

Ismail Kazi  
Sales Manager - Ebttikar



<b>Jeddah</b>	جدة	<b>Al Khobar</b>	الخبير	<b>Riyadh</b>	الرياض
P.O. Box 122209	ص.ب ١٢٢٢٠٩	P.O. Box 2769	ص.ب ٢٧٦٩	P.O. Box 52908	ص.ب ٥٢٩٠٨
Jeddah 21332	جدة ٢١٣٣٢	Al Khobar 31952	الخبير ٣١٩٥٢	Riyadh 11573	الرياض ١١٥٧٣
Tel : 02 - 6223031	هاتف : ٠٢ - ٦٢٢٣٠٣١	Tel : 887 0188	هاتف : ٨٨٧٠١٨٨	Tel : 416 2222	هاتف : ٤١٦٢٢٢٢
Fax : 02 - 2369594	فاكس : ٠٢ - ٢٣٦٩٥٩٤	Fax : 887 0187	فاكس : ٨٨٧٠١٨٧	Fax : 416 1414	فاكس : ٤١٦١٤١٤
www.ebttikar.com					السجل التجاري ١٠١٠١٨٣٤٤٧



Proj. no. : <b>S14006-0100D</b> PACKAGE 1	Employer:  MINISTRY OF FINANCE	Request No. MAT-ELC-0050-01
Consultant:  dar al-handasah shair and partners s.a.j.	Contractor:  شركة النوراني للتجارة والمقاولات العامة ATCO GENERAL CONTRACTING CO. K.S.C.	Date <b>26-01-2017</b>

**Submittal for Approval of Materials** (✓)

**1. Material description (one item only on this form) :**  
**LOW CURRENT CABLES FOR PUBLIC ADDRESS SYSTEM**  
 3 NOS. TECHNICAL SUBMITTALS WITH 3 CD

**AREA OF APPLICATION: ALL AREAS WITH PUBLIC ADDRESS SYSTEM**  
 Drawing ref: **IFC /APPROVED SHOP DRAWINGS B.O.Q. Ref. No : DIV 27**  
**Specification Ref: 275116-2.5** Standards: - UL: IEEE 802.3AN,ANSI/TIA-568-C.2,  
 IEC-11810,IEC 61156-5,IEC 60754,IEC 61034

Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.  
**2. Manufacturer / supplier**  
**Company Name : NORDEN / CONTROL LINK EST**  
**Address : PO. BOX 325047, RIYADH 11371 KSA TEL.: 014-735655 FAX NO.: 014-733031**  
**Local Agent : MR SULEIMAN HAMZA (MOB: 056-469-2275)**

**3. Delivery :**  
**Country of origin : UK**  
 Availability  Locally Manufactured  Overseas  
 Delivery **Ex-works/ total duration** [ ]  
**Estimated time of arrival on site** [ ]  
 Program **Date material required on site** [ ]  
**Latest date for order** [ ]



We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and the submitted items in conformity with the above and deliver same timely.  
 Submitted by : Eng.ALTAF KHAN Signature [Signature]

<b>4. Engineer's Representative comments:</b>  Action Code "B", Approved as Noted Refer to attached comments   Signature <u>Ahmed Wafaa</u> Date : <u>01/02/2017</u>	<input type="checkbox"/> Approved
	<input checked="" type="checkbox"/> Approved as noted
	<input type="checkbox"/> Revise and resubmit
	<input type="checkbox"/> Rejected
	<input checked="" type="checkbox"/> Sample required
	<input checked="" type="checkbox"/> Tests required
	<input type="checkbox"/> Additional information required
<input type="checkbox"/> Manufacturer's guarantee required	

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.



S14006-PK01-FTCO-MAT-ELC-0050-01

**LOW CURRENT CABLES FOR PUBLIC ADDRESS SYSTEM / NORDEN / CONTROL LINK EST**

Comments – Action Code (B):

1. Contractor to ensure providing all required 3<sup>rd</sup> party type test certificates with MIR documents for final approval before site delivery. (as per standards IEC 60754-1&2, IEC 61034 and IEC 60332 for LSZH and Flame retardant).
2. Cable samples shall be provided for site team showing a clear information engraved/embossed on cable sheath including cable part number, cable size, standard marking...etc.
3. Contractor shall provide original copies of country of origin for proposed part numbers.
4. "Control Links Est." is authorized only as a distributor in the central province of Saudi Arabia, the contractor to update the Authorization letter accordingly to include (Madinah) city.
5. Final approval is subject to submitting a recommendation letter from Public Address approved supplier/manufacture which certifying/confirming the proposed cables compatibility and achieving the required performance, SPL, noise immunity, dB power loss calculation....etc.
6. Final approval is subject to site core team's verification/approval of the above.
7. Final cables size shall be based on voltage drop/power loss calculation. Also Final quantities shall be based on approved shop DWG.
8. Warranty/guarantee and spare parts certificates shall be as per specifications under main contractor's responsibility.





<b>Proj. no. :</b> S14006-0100D PACKAGE 2	<b>Employer:</b>  MINISTRY OF FINANCE	<b>Request No.</b> MAT-ELC-0102-01
<b>Consultant:</b>  dar al-handasah shah and partners s.a.l.	<b>Contractor:</b>  ATCO الهيئة العامة للغاز والكهرباء والمياه - اتكو	<b>Date</b> 26/1/2017

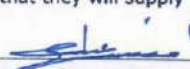
**Submittal for Approval of Materials** ✓

1. Material description (one item only on this form) :  
**LOW CURRENT CABLES FOR PUBLIC ADDRESS SYSTEM**  
 3NOS. TECHNICAL SUBMITTALS WITH 3 CD  
**AREA OF APPLICATION:** ALL AREAS WITH PUBLIC ADDRESS SYSTEM  
**Drawing ref:** IFC /APPROVED SHOP DRAWINGS **B.O.Q. Ref. No :** DIV 27  
**Specification Ref:** 275116-2.5 **Standards:** - UL: IEEE 802.3AN,ANSI/TIA-568-C.2,  
 IEC-11810,IEC 61156-5,IEC 60754,IEC 61034  
 Attach all relevant technical literature marked to identify relevant description, current Test Certificates, samples as appropriate.

2. **Manufacturer / supplier**  
**Company Name :** NORDEN / CONTROL LINK EST  
**Address :** TEL: 014-735655 FAX NO.: 014-733031  
**Local Agent : MR SULEIMAN (MOB: 056-469-2275)**

3. **Delivery :**  
**Country of origin :** UK  
 Availability  Locally Manufactured  Overseas  
 Delivery **Ex-works/ total duration** [ ]  
**Estimated time of arrival on site** [ ]  
 Program **Date material required on site** [ ]  
**Latest date for order** [ ]



We certify that the above submitted items have been reviewed in detail and are correct and in strict conformity with the contract drawings and specifications except as otherwise stated; also that the material sources indicated above have been reviewed in detail and that they will supply the submitted items in conformity with the above and deliver same timely.  
 Submitted by : Eng. ALTAF KHAN Signature 

4. Engineer's Representative comments:  Action Code "B", Approved as Noted Refer to attached comments   Signature <u>Ahmed Wafaa</u> Date : <u>01/02/2017</u>	<input type="checkbox"/> Approved
	<input checked="" type="checkbox"/> Approved as noted
	<input type="checkbox"/> Revise and resubmit
	<input type="checkbox"/> Rejected
	<input checked="" type="checkbox"/> Sample required
	<input checked="" type="checkbox"/> Tests required
	<input type="checkbox"/> Additional information required
<input type="checkbox"/> Manufacturer's guarantee required	

Approval shall not relieve Contractor of his liabilities under the Contract or constitute authorization of any change to Contract Documents.






**S14006-PK02-FTCO-MAT-ELC-0102-01**  
**LOW CURRENT CABLES FOR PUBLIC ADDRESS SYSTEM / NORDEN / CONTROL LINK EST**

Comments – Action Code (B):

1. Contractor to ensure providing all required 3<sup>rd</sup> party type test certificates with MIR documents for final approval before site delivery. (as per standards IEC 60754-1&2, IEC 61034 and IEC 60332 for LSZH and Flame retardant).
2. Cable samples shall be provided for site team showing a clear information engraved/embossed on cable sheath including cable part number, cable size, standard marking...etc.
3. Contractor shall provide original copies of country of origin for proposed part numbers.
4. "Control Links Est." is authorized only as a distributor in the central province of Saudi Arabia, the contractor to update the Authorization letter accordingly to include (Madinah) city.
5. Final approval is subject to submitting a recommendation letter from Public Address approved supplier/manufacture which certifying/confirming the proposed cables compatibility and achieving the required performance, SPL, noise immunity, dB power loss calculation....etc.
6. Final approval is subject to site core team's verification/approval of the above.
7. Final cables size shall be based on voltage drop/power loss calculation. Also Final quantities shall be based on approved shop DWG.
8. Warranty/guarantee and spare parts certificates shall be as per specifications under main contractor's responsibility.









 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		R-IN-27158
 PROGER Engineering & Management		 Al Rashid Trading & Contracting
Project Name:	Dormitories (Al Bersh'a)	Submittal No.
Project No.:	106	KAP4 - MAT - 106 - BXXX - TT - 0016
To:	Project Manager - Proger Head Office	Date:
		9-Jan-17
<b>Document / Material Submittal</b>		
Discipline:	<input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec	
Submitted For:	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use	
Attachments:	<input type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification	
	<input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )	
<b>Item Description</b>		No. of Submittals
MATV SYSTEM		1
(ALTERNATIVE CABINET & FIBER PATCH PANEL WITH ACCESSORIES)		Submittal No.
		1
Copies	Document; Material Description	Reference Specs #
1	MATV SYSTEM (CABINET RACK & FIBER OPTIC PATCH PANEL - NORDEN BRAND) 1. SC 06 Port Duplex EFA Fibre Patch Panel Rack Mount (421-2SC006X) 2. SC/APC Singlemode Duplex Adaptor (352-SSCSC02) 3. SC/APC 1.5m PVC (SC/APC OS2 PVC 1.5M Pigtail), 341-10S2S315 4. 1U Metal Cabinet Management with cover (1335-M201X) 5. 144 Core Horizontal Splice Closure V2 (325-V2144) 6. 42U 800x800 Front Glass/Back Perf Door (1323-428813X) with cagenuts, Fans and PDU	K&A 16780
		Reference BOQ#
<b>Supplier Data</b>		
Name:	PROTECTION SHIELD COMPANY	
Address:	Riyadh - KSA	
<b>Manufacturer Data</b>		
Name:	NORDEN	
Address:	UK	
Samples		
Samples Description		
Remarks:		
To be used for:	the whole project location as per approved design drawing and relevant specification.	
		Endr: Mohammed Al Jedia Deputy General Manager
For Contractor (Name / Title / Signature / Stamp)		
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor.		
Remarks: <b>ACTION CODE B</b> 1) Use Rack 42U 800x800 to be front perforated divided/Back perforated divided Part # 1323-428833X ( with double leaf door) instead of submitted one (2) Fiber Patch Panel must be populated with splice tray part # 326-112 (3) Splicing at receiver end must be protected against pull tension.		
Directors or contractors verify relative to submittal being reviewed (to not allow the contractor to be full compliance with the requirements of the contract documents, drawings, selecting fabrication processes and techniques of contractor, coordinating its work with that of other trades, and performing his work in a safe and satisfactory manner and conforming with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the product specifications. This check is only for general review.		
Action:	<input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT	
	<input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION	
For Engineer's rep.	Supervisor/Manager:	
Review By:		
Eng Baraa Alma'ani	19-Jan-2017	Eng Francesco Clemente
Name:	Date:	Name / Title
Signature:		Signature / Stamp
		Date



K4.COM.002.ver01 Submittal Form-RTCC  
K4.COM.002.V0 Document/Material Submittal










 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		R-IN-27158
 PROGER Engineering & Management		 RTCC Al Rashid Trading & Contracting
Ministry of Interior		
Project Name:	Dormitories (Jeddah)	Submittal No.
Project No.:	116	KAP4 - MAT - 116 - BXXX - TT - 0016
To:	Project Manager - Proger Head Office	Date:
		9-Jan-17
<b>Document / Material Submittal</b>		
Discipline:	<input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec	Rev.
Submitted For:	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use	1
Attachments:	<input type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification	
	<input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )	
<b>Item Description</b>		No. of Submittals
<b>MATV SYSTEM</b>		1
(ALTERNATIVE CABINET & FIBER PATCH PANEL WITH ACCESSORIES)		Submittal No.
		1
Copies	<b>Document; Material Description</b>	Reference Specs #
1	MATV SYSTEM (CABINET RACK & FIBER OPTIC PATCH PANEL - NORDEN BRAND) 1. SC 06 Port Duplex EFA Fibre Patch Panel Rack Mount (421-2SC006X) 2. SC/APC Singlemode Duplex Adaptor (352-SSCSC02) 3. SC/APC 1.5m PVC (SC/APC OS2 PVC 1.5M Pigtail), 341-10S2S315 4. 1U Metal Cabinet Management with cover (1335-M201X) 5. 144 Core Horizontal Splice Closure V2 (325-V2144) 6. 42U 800x800 Front Glass/Back Perf Door (1323-428813X) with capenuts, Fans and PDU	K&A 16780
		Reference BOQ#
<b>Supplier Data</b>		
Name:	PROTECTION SHIELD COMPANY	
Address:	Riyadh - KSA	
<b>Manufacturer Data</b>		
Name:	NORDEN	
Address:	UK	
Samples		
Samples Description		
Remarks:		
To be used for:	the whole project location as per approved design drawing and relevant specification.	
	Engr. Mohammed Al Jedia Deputy General Manager	
	For Contractor: (Name / Title / Signature / Stamp)	
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. <b>Remarks:</b> ACTION CODE B 1) Use Rack 42U 800x800 to be front perforated divided/Back perforated divided Part # 1323-428833X ( with double leaf door) instead of submitted one (2) Fiber Patch Panel must be populated with splice tray part # 326-112 (3) Splicing at receiver end must be protected against pull tension. <i>M. Al Jedia</i>		
<small>Conditions or comments must relative to submittal during this action do not release the contractor from full compliance with the requirements of the contract's documents, dimensions, selecting fabricative processes and techniques of construction, coordinating the work with that of other trades, and performing the work in a safe and satisfactory manner and complying at all times with the design concept of the project and general compliance with the relevant drawings to the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>		
Action:	<input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT	
	<input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION	
For Engineer's rep.	Supervisor/Manager:	
Review By:		
Eng Baraa Alma'ani	 19-Jan-2017	Eng Francesco Clemente  19-Jan-2017
Name:	Signature	Date

K4.COM.002.ver01.Submittal Form-RTCC

K4.COM.002.V0 Document/Material Submittal









 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		R-IN-27158
 PROGER Engineering & Management		 Al Rashid Trading & Contracting
Project Name: <b>Dormitories (Eastern Land Road)</b> Project No.: <b>113</b> To: <b>Project Manager - Proger Head Office</b>	Submittal No. <b>KAP4 - MAT - 113 - BXXX - TT - 0016</b> Date: <b>9-Jan-17</b>	Rev. <b>1</b>
<b>Document / Material Submittal</b>		
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments: <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )		
<b>Item Description</b>		No. of Submittals <b>1</b>
<b>MATV SYSTEM</b>		Submittal No. <b>1</b>
<b>(ALTERNATIVE CABINET &amp; FIBER PATCH PANEL WITH ACCESSORIES)</b>		
Copies	Document; Material Description	Reference Specs #
1	MATV SYSTEM (CABINET RACK & FIBER OPTIC PATCH PANEL - NORDEN BRAND) 1. SC 06 Port Duplex EFA Fibre Patch Panel Rack Mount (421-2SC006X) 2. SC/APC Singlemode Duplex Adaptor (352-SSCSC02) 3. SC/APC 1.5m PVC (SC/APC OS2 PVC 1.5M Pigtail), 341-1OS2S315 4. 1U Metal Cabinet Management with cover (1335-M201X) 5. 144 Core Horizontal Splice Closure V2 (325-V2144) 6. 42U 800x800 Front Glass/Back Perf Door (1323-428813X) with cagenuls, Fans and PDU	K&A 16780  Reference BOQ#
<b>Supplier Data</b>		
Name: <b>PROTECTION SHIELD COMPANY</b> Address: <b>Riyadh - KSA</b>		
<b>Manufacturer Data</b>		
Name: <b>NORDEN</b> Address: <b>UK</b>		
Samples Samples Description Remarks:		  
To be used for: <i>the whole project location as per approved design drawing and relevant specification.</i>		
		Engr. Mohammed Al Jedia Deputy General Manager  For Contractor: (Name / Title / Signature / Stamp)
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. Remarks: <b>ACTION CODE B</b> 1) Use Rack 42U 800x800 to be front perforated divided/Back perforated divided Part # 1323-428833X ( with double leaf door) instead of submitted one (2) Fiber Patch Panel must be populated with splice tray part # 326-112 (3) Splicing at receiver end must be protected against pull tension. <i>Majid Alhad</i>		
<small>Contractor or submittals made reference to submittals during the review do not relieve the contractor from full compliance with the requirements of the contract documents, dimensions, scheduling, fabrication processes and techniques of construction, coordinating files, and with that of other trades, and performing its work in a safe and satisfactory manner and conforming to all specifications and standards of the project and general compliance with the information given in the contract documents. The contractor is responsible for the provided specifications. This check is only for general review.</small>		
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION		
For Engineer's rep. Review By: <i>Baraa AlMaani</i> 19-Jan-2017 Name: <i>Baraa AlMaani</i> Signature: Date:		Supervisor/Manager: Eng Francesco Clemente <i>Francesco Clemente</i> 19-Jan-2017 Name / Title: Signature / Stamp Date:

K4.COM.002.ver01 Submittal Form RTCC

K4.COM.002.V0 Document/Material Submittal



 <b>Kingdom of Saudi Arabia</b> Security Planning and Development Agency - KAP4 Project		R-IN-27158
 PROGER Engineering & Management		 Al Rashid Trading & Contracting
Project Name: <b>Dormitories (Riyadh Training City)</b>		Submittal No. <b>KAP4 - MAT - 107 - BXXX - TT - 0016</b>
Project No.: <b>107</b>		Rev. <b>1</b>
To: <b>Project Manager - Proger Head Office</b>		Date: <b>9-Jan-17</b>
<b>Document / Material Submittal</b>		
Discipline: <input type="checkbox"/> Civil <input type="checkbox"/> Arch <input type="checkbox"/> Struc <input type="checkbox"/> Mech <input checked="" type="checkbox"/> Elec		
Submitted For: <input checked="" type="checkbox"/> Approval <input type="checkbox"/> Information <input type="checkbox"/> Review <input type="checkbox"/> Site Use		
Attachments: <input type="checkbox"/> Sample <input checked="" type="checkbox"/> Catalogue / Manuals <input type="checkbox"/> Compliance Cert. <input checked="" type="checkbox"/> Manufacturer Data & Specification <input type="checkbox"/> Drawings <input type="checkbox"/> Procedures <input type="checkbox"/> Spare Parts List <input type="checkbox"/> Calculation Sheet <input type="checkbox"/> Others/Specify ( )		
<b>Item Description</b>		No. of Submittals <b>1</b>
<b>MATV SYSTEM (ALTERNATIVE CABINET &amp; FIBER PATCH PANEL WITH ACCESSORIES)</b>		Submittal No. <b>1</b>
Copies	Document; Material Description	Reference Specs #
1	MATV SYSTEM (CABINET RACK & FIBER OPTIC PATCH PANEL - NORDEN BRAND) 1. SC 06 Port Duplex EFA Fibre Patch Panel Rack Mount (421-2SC006X) 2. SC/APC Singlemode Duplex Adaptor (352-SSCSC02) 3. SC/APC 1.5m PVC (SC/APC OS2 PVC 1.5M Pigtail), 341-10S2S315 4. 1U Metal Cabinet Management with cover (1335-M201X) 5. 144 Core Horizontal Splice Closure V2 (325-V2144) 6. 42U 800x800 Front Glass/Back Perf Door (1323-428813X) with cagenuts, Fans and PDU	K&A 16780  Reference BOQ#
<b>Supplier Data</b>		
Name: <b>PROTECTION SHIELD COMPANY</b> Address: <b>Riyadh - KSA</b>		
<b>Manufacturer Data</b>		
Name: <b>NORDEN</b> Address: <b>UK</b>		
Samples Samples Description Remarks:		
To be used for: <i>the whole project location as per approved design drawing and relevant specification.</i>		
		Engr. Mohammed Al Jedia Deputy General Manager
For Contractor: (Name / Title / Signature / Stamp)		
Engineer's Rep. to enter Action Codes; Remarks and return to Contractor. <b>Remarks: ACTION CODE B</b> 1) Use Rack 42U 800x800 to be front perforated divided/Back perforated divided Part # 1323-428833X ( with double leaf door) instead of submitted one (2) Fiber Patch Panel must be populated with splice tray part # 326-112 (3) Splicing at receiver end must be protected against pull tension.		
<small>Corrections or comments made relative to submittals during this review do not relieve the contractor from full compliance with the requirements of the contract documents, dimensions, selecting fabrication processes and techniques of construction, coordinating his work with that of other trades, and performing his work in a safe and satisfactory manner and controlling all quantities and conformances with the design concept of the project and general compliance with the information given in the contract documents. The contractor is responsible for the standard specifications. This check is only for general review.</small>		
Action: <input type="checkbox"/> A APPROVED AS SUBMITTED <input checked="" type="checkbox"/> B APPROVED AS NOTED <input type="checkbox"/> C REVISE AND RESUBMIT <input type="checkbox"/> D REJECTED <input type="checkbox"/> E FOR INFORMATION		
For Engineer's rep. Review By: <i>Baraa Almaani</i> 19-Jan-2017 Name: <i>Baraa Almaani</i> Signature: Date:		Supervisor/Manager: Eng Francesco Clemente <i>Francesco Clemente</i> 19-Jan-2017 Name / Title: Signature / Stamp Date:




CI "Civil", ST "Structure", AR "Architecture", ME "Mechanical", EL "Electrical", DOC "Document", MAT "Materials", SUB "Sub-contractor", SUP "Supplier", MAN "Manufacturer"

K4 COM 002 ver01 Submittal Form-RTCC



K4.COM 002.V0 Document/Material Submittal





 <p>شركة الراشد للتجارة والتقاولات الهندية AL-RASHID TRADING &amp; CONTRACTING CO. LTD.</p>		<p>مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</p>		 <p>ARCHITECTS &amp; ENGINEERS</p>	
 <p>Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني</p>					
<p>MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد</p>					
Site No./رقم الموقع:	32H	Site Name / اسم الموقع:	Dormitories - Type 3	Project No./رقم المشروع:	KAP2C1
Bldg. No./رقم المبنى:	General	Bldg. Name/اسم المبنى:	General	Location/المكان:	JAZAN
To/إلى:	NKY - Architects & Engineers		Submittal No./رقم التقديم:	KAP2C 1-MAT-32H-EL-0152 (A)	
Attention/عناية:	Engr. Yavus Gokhan - NKY PD		Date & Time / الوقت و التاريخ:	19 February 2017	
From/من:	Engr. Mohd. Al Jedia - Contractor's PD		Request Return Date :	26 February 2017	
<p>MATERIALS DETAILS / تفاصيل المادة المقدمه</p>					
Material Description/وصف المادة:	Structured Cabling System				
Standard / Specifications/المواصفات:	Section 16742 & MTR				
Supplier/Manufacturer /المصنع/المورد:	Ebttikar / Norden				
Contact Person/المسؤول:	Mr. Mustafa Burhan				
Address Details/العنوان:	P.O Box 52908 Riyadh 11573 - KSA				
Local Agent/الوكيلة:	Ebttikar				
Contact Person /المسؤول المحلي:	Mr. Mustafa Burhan	Mob: 0503315474			
Address Details/العنوان المحلي:	P.O Box 52908 Riyadh 11573 - KSA				
Availability/المصدر:	<input checked="" type="checkbox"/>	Local/محلي	<input type="checkbox"/>	Imported/مستورد	
Status / التوصيف:		Specified/موصف	<input type="checkbox"/>	Alternative/بديل	
<p>ENCLOSURES / المرفقات</p>					
<input checked="" type="checkbox"/>	Catalogue / كتالوج Technical Data Sheet	<input checked="" type="checkbox"/>	Sample / عينات	<input type="checkbox"/>	List of Suppliers / قائمة موردين
<input type="checkbox"/>	Product Verification / شهادة توثيق	<input type="checkbox"/>	Comparison Sheet / قائمة مقارنة	<input type="checkbox"/>	Previous Approval
<p>Contractor's Note / ملاحظات المقاول: To be used for the whole project where applicable as per approved Specifications and Shop Drawings</p>					
<p>Submitted for / الغرض من التقديم: <input checked="" type="checkbox"/> Approval / للاعتماد <input type="checkbox"/> Information / للمعلومات</p>					
<p>Contractor: (By completing the form the Contractor certifies that the document complies with contract conditions and specifications)</p>					
Signature/التوقيع:	Date/التاريخ:	Signature/التوقيع:	19 Feb 2017		
Material Eng. /مهندس المواد:		Contractor's Representative /ممثل المقاول:	Engr. Waheed Mallisho		
<p>Engineer: (For Engineer's use only)</p>					
Received by /اسم المستلم:	Received Date /تاريخ الإستملا:	Received Time /وقت الإستملا:			
<p>Engineer Comments / توصيات المهندس:</p>					
<p><b>Code B - (Conditional Approval)</b> 23/2/2017                  - Structured Cabling System shall be fully functional and complete with all the accessories. - SASO, Country of origin, and Bill of lading to be submitted prior material delivery.                  هذا النموذج يشهد المقاول بانه يتوافق مع مواصفات العقد / This approval does not relieve the contractor of his responsibility as per the contract</p>					
Engineer Signature / توقيع المهندس:	Title / الوظيفة:	Date / التاريخ:	Elec. Head		
	Hussam Moh'd AlKhatieb	23/2/2017	Head Of-Electrical		
<p>Result:</p>					
<input type="checkbox"/>	A-Approved / يعتمد	<input checked="" type="checkbox"/>	B-Approved as Noted / يعتمد بملاحظات	<input type="checkbox"/>	C- Revise & Resubmit / تراجع وبعاد التقديم
<input type="checkbox"/>	E- Rejected / مرفوض	<input type="checkbox"/>	F- No Action / لا عمل	<input type="checkbox"/>	D-Received for information / استلم للمعلومية
<p>Distribution Copy / نسخة: <input type="checkbox"/> MOI <input type="checkbox"/> NKY <input type="checkbox"/> Contractor</p>					



			
<b>Client:</b>	Ministry of Interior - MOI	<b>Project Name:</b>	KAP2-C1
<b>Engineer:</b>	NKY Architects & Engineers - NKY	<b>Reference Submittal / Transmittal:</b>	KAP2-C1-MAT-32H-EL-0152 (A).
<b>Contractor:</b>	RTCC- Ebtikar.	<b>Document Subject:</b>	Structured Cabling System.
<b>Project Title:</b>	Custodian of Two Holy Mosques the King Abdullah Bin Abdulaziz's Project-Phase C.	<b>Received Date:</b>	17-Jan-2017
		<b>Return Date:</b>	22-Feb-2017
No.	Ref.	Comments	
<b>Code B conditional approval</b>			
1	211-01021002X	0.5mm 002 Pair Internal Telephone Cable CW1308 PVC. -(Acceptable).	
2	212-02043050	.63mm 050 pair Outdoor Telephone cable CW1128. -(Acceptable).	
3	111-100011010X	Category 3 U/UTP 010 pair cable PVC -(Acceptable).-(Acceptable).	
4	221-02A10	10 Pair connection module (installed in telephone Box).-(Acceptable).	
5		Telephone Box 10-50 pair (Eletra) - Flush Mount.-(Acceptable).	
6		Telephone Box 10-50 pair (Eletra) - Surface Mount.-(Acceptable).	
7		To provide valid third party quality test certificates for the same above cables part No. on material delivery.	
8		This approval is valid for typical sites (35H,32H, 34H, and 38H).	
9			
Issued By:			
	<u>Name, Surname</u>	<u>Title</u>	<u>Signature</u>
	Naser Odeh	Electrical engineer.	
			<u>Date</u> 22/Feb/2017






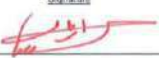


 <b>RTCC</b> شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING & CONTRACTING CO. LTD.	مشروع خادم الحرمين الشريفين لتطوير المقرات الامنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....	 <b>NKY</b> ARCHITECTS & ENGINEERS
	 Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني	

Material List – Sample Board	
Supplier/Manufacturer: المورد/المصنع: <b>Ebtikar / Norden</b>	
Material Description/المادة/وصف : <b>Structured Cabling System</b>	
item	Description
1	0.5mm 002 Pair Internal Telephone Cable CW 1308 PVC – Part Number: 211-01021002X
2	Category 3 U/UTP 010 Pair Cable PVC – Part Number: 111-100011010X
3	.63mm 050 Pair Outdoor Telephone Cable CW 1128 – Part Number: 212-02043050
4	10 Pair Connection Module (Installed in Telephone Box) - Part Number: 221-02A10
5	Telephone Box 10 - 50 Pair (Eletra) - Flush Mount
6	Telephone Box 10 - 50 Pair (Eletra) - Surface Mount







			
12/Mar/17			
Client:	Ministry Of Interior - MOI	Project Name:	KAP2C1
Engineer:	NKY Architects & Engineers - NKY	Reference Submittal / Transmittal:	KAP2C1-MAT-32H-EL-0149 (A)
Contractor:	Al-Rashid Trading & Contracting Co. LTD	Document Subject:	Analogue CCTV Cables Material - 32H
Project Title:	Custodian of Two Holy Mosques the King Abdulah Bin Abdulaziz's Project	Received Date:	21/2/2017
		Project No.	KAP2C1
COMMENT SHEET			
Ref.	Comments		
	Code B		
1	RG-11 Coaxial Cable (Part No. 475-013B95 from Norden - UK ) Coaxial cable is marked with manufacturer's name Norden UK, Conductor: Bare Copper, Insulation: Foam PE, Braid Wire: BC 95% Coverage, Outer Jacket: PVC black color, Impedance: 75 Ω, Capacitance: 52.0 pF/m, Velocity of Propagation: 84%, Attenuation: 1.51 dB/100m @ 10 MHz, Operating Temperature : -20°C to +75°C. ( <b>Acceptable</b> )		
2	Shall use the required media amplifiers for long distance cable run or installation to maintain power signal at certain level.		
3	Bill of Lading confirming to country of origin must be submitted while material delivered to the site.		
4	Shall provide SASO certificate of Analogue CCTV Coaxial cable RG-11 prior to material delivery		
5	The recommendation letter from the Analogue CCTV system manufacturer / Supplier certifying the proposed cable. ( <b>accepted</b> )		
6	It remains the contractor's responsibility to ensure that all data provided in the equipment catalogues, documents and compliance sheet are accurate and confirm to the requirements of the contract specifications.		
7	All cables and materials shall be according to Tender specifications and Minimum Technical Requirements.		
8	Warranty Letter provided and signed by the cable manufacturer and contractor ( to be signed by the contractor ), and as per Tender document for 25 years.		
9	The operating environment must comply with the environmental specifications ( Ambient Temperature , Storage Temperature, Operating Humidity, Maximum Humidity Gradient, Operating Altitude and Vibration.		
Issued By:			
Name, Surname	Title	Signature	Date
Eyad H. Ghalib	Electrical Engineer		12/3/2017





 <p>شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING &amp; CONTRACTING CO. LTD.</p>		<p>مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</p>		 <p>ARCHITECTS &amp; ENGINEERS</p>	
 <p>Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني</p>					
<p><b>MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد</b></p>					
Site No/الموقع رقم	General	Site Name /اسم الموقع	General	Project No. /رقم المشروع	KAP2C1
Bldg. No. /رقم المبنى	General	Bldg. Name /اسم المبنى	General	Location /المكان	BAHA & JAZAN
To/إلى :	NKY – Architects & Engineers		Submittal No/رقم التقديم :	KAP2C 1-MAT-GEN-EL-0144 (A)	
Attention/عناية:	Engr. Yavus Gokhan – NKY PD		Date & Time /الوقت و التاريخ:	07 February 2017	
From/من :	Engr. Mohd. Al Jedia – Contractor's PD		Request Return Date :	14 February 2017	
<p><b>MATERIALS DETAILS / تفاصيل المادة المقدمة</b></p>					
Material Description/وصف المادة :	Intercom Cables				
Standard / Specifications/المواصفات:	Section 16770				
Supplier/Manufacturer/المصنع/المورد:	Control Links Est. / Norden				
Contact Person/المسؤول :	Mr. Mohammad Odeh				
Address Details/العنوان:	Riyadh, KSA				
Local Agent/الوكيلة:	Control Links Est.				
Contact Person /المسؤول المحلي:	Mr. Mohammad Odeh	Tel: +966 1 4735655			
Address Details/العنوان المحلي:	Riyadh, KSA				
Availability/المصدر:	<input checked="" type="checkbox"/>	Local/محلي	<input type="checkbox"/>	Alternative/بدلي	<input type="checkbox"/>
Status / التوصيف:	<input type="checkbox"/>	Specified/موصف	<input type="checkbox"/>	Alternative/بدلي	<input type="checkbox"/>
<p><b>ENCLOSURES / المرفقات</b></p>					
<input checked="" type="checkbox"/>	Catalogue / كتالوج Technical Data Sheet	<input type="checkbox"/>	Sample / عينات	<input type="checkbox"/>	List of Suppliers / قائمة موردين
<input type="checkbox"/>	Product Verification / شهادة توثيق	<input type="checkbox"/>	Comparison Sheet / قائمة مقارنة	<input type="checkbox"/>	Approval / موافقة
<p><b>Contractor's Note / ملاحظات المقاول:</b> To be used for the whole project where applicable as per approved specifications and drawings</p>					
<p>Submitted for/مقدم من الغرض من التقديم : <input checked="" type="checkbox"/> Approval / للإعتماد <input type="checkbox"/> Information / للمعلومية</p>					
<p><b>Contractor:</b> (By completing the form the Contractor certifies that the document complies with contract specifications and drawings) المقاول: عند تعبئة النموذج وبمضيء المقبول ان الوثائق تتطابق مع مواصفات العقد</p>					
Signature/التوقيع:	Date/التاريخ:	Signature/التوقيع:	Date/التاريخ:	07 Feb 2017	
Material Eng. /مهندس المواد:		Contractor's Representative /ممثل المقاول:	Engr. Waheed Mallisho		
<p><b>Engineer : (For Engineer's use only)</b></p>					
Received by /اسم المستلم:	Received Date /تاريخ الاستلام:	Received Time /وقت الاستلام:			
<p><b>Engineer Comments/ توصيات الاستشاري :</b></p> <p style="color: red;">Code B – Approved as per the manufacturer recommendations. Eyad Alhathith - submit SASO and Country of origin certificate and/or Bill of lading prior material delivery. - Refer to the enclosed comment sheet.</p> <p style="text-align: right; color: red;">2/3/2017</p>					
Engineer Signature / توقيع الاستشاري:	Title / الوظيفة:	Date / التاريخ:			
	Hussam Moh'd AlKhatieb	12/3/2017			
<p><b>Result:</b></p> <p><input type="checkbox"/> A-Approved / يعتمد <input type="checkbox"/> E- Rejected / مرفوض <input checked="" type="checkbox"/> B-Approved as Noted / يعتمد بملاحظات Return Clear Copy <input type="checkbox"/> C- Revise &amp; Resubmit / تراجع وبعاد التقديم <input type="checkbox"/> F- No Action / اجراء بدون <input type="checkbox"/> D-Received for information / استلم للمعلومية</p>					
<p>Distribution Copy / نسخة <input type="checkbox"/> MOI <input type="checkbox"/> NKY <input type="checkbox"/></p>					








<b>Client:</b>	Ministry of Interior - MOI	<b>Project Name:</b>	KAP2 - Phase C1
<b>Engineer:</b>	NKY Architects & Engineers - NKY	<b>Reference Submittal / Transmittal:</b>	KAP2C1-MAT-GEN-EL-0144 (A)
<b>Contractor:</b>	Al-Rashid Trading & Contracting Co. LTD.	<b>Document Subject:</b>	Intercom Cables - Norden Cables.
<b>Project Title:</b>	Custodian of Two Holy Mosques the King Abdullah Bin Abdulaziz's Project-Phase A	<b>Received Date:</b>	12/2/2017
		<b>Return Date:</b>	9/3/2017

No.	Ref.	Comments								
<b>Code B : ( Conditional Approval ) - Submit sample cables for checking and approval.</b>										
1		CAT 5e U/UTP 4 Pair cable ( Part No. 112-11002104X from Norden-UK ) Conductor Material: Bare Copper, Outer Jacket : LSZH, Frequency range: 1-100 MHz, Operating Temp. :-30 to 60°C. ( <b>Acceptable</b> ).								
2		2 Core 16 AWG Shielded Multi Conductor ( Part No. 71-320216F/G/D from Polynor- Norden - UK ) PE insulation, Aluminium Foil, Polyester tape shielded, fire rated PVC outer jacket. This cable to be used to connect the master station to push button. ( <b>Acceptable</b> ).								
3		It remains the contractor's responsibility to ensure that all data provided in the cable catalogues, documents and compliance sheet are accurate and confirm to the requirements of the contract specifications.								
4		Embossing on cable shall indicate the following :								
		a. Type of cable, size, insulation, LSZH.								
		b. Relative standards								
		c. Manufacturer's name								
		d. Voltage grade								
	e. Year of manufacturing									
5		All wiring is to be color coded and in accordance with the NEC.								
6		Bill of Lading confirming to country of origin must be submitted while material delivered to the site.								
7		SASO Certificate to be provided at the time of delivery.								
8		The operating environment must comply with the environmental specifications ( Ambient Temperature , Storage Temperature, Operating Humidity. Maximum Humidity Gradient, Operating Altitude and Vibration.								
Issued By: <table border="0"> <tr> <td><u>Name, Surname</u></td> <td><u>Title</u></td> <td><u>Signature</u></td> <td><u>Date</u></td> </tr> <tr> <td>Eyad H. Ghaith</td> <td>Electrical Engineer</td> <td></td> <td>9/Mar/2017</td> </tr> </table>			<u>Name, Surname</u>	<u>Title</u>	<u>Signature</u>	<u>Date</u>	Eyad H. Ghaith	Electrical Engineer		9/Mar/2017
<u>Name, Surname</u>	<u>Title</u>	<u>Signature</u>	<u>Date</u>							
Eyad H. Ghaith	Electrical Engineer		9/Mar/2017							







 <b>RTCC</b> شركة الراشد للتجارة والتقاولات المحدودة AL-RASHID TRADING & CONTRACTING CO. LTD.		مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب <b>King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</b>		 <b>NKY</b> ARCHITECTS & ENGINEERS	
		 <b>Ministry of Interior</b> Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني			
<b>MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد</b>					
Site No/ رقم الموقع	General	Site Name / اسم الموقع	General	Project No. / رقم المشروع	KAP2C1
Bldg. No. / رقم المبنى	General	Bldg. Name/ اسم المبنى	General	Location / المكان	JAZAN & BAHA
To/ إلى	NKY – Architects & Engineers		Submittal No/ رقم التقديم	KAP2C 1-MAT-GEN-EL-0097-R1 (B)	
Attention/ عناية	Engr. Yavus Gokhan – NKY PD		Date & Time / الوقت و التاريخ	05 February 2017	
From/ من	Engr. Mohd. Al Jedia – Contractor's PD		Request Return Date	12 February 2017	
<b>MATERIALS DETAILS / تفاصيل المادة المقدمة</b>					
Material Description/ وصف المادة	Fire Alarm Cables - Fiber Optic				
Standard / Specifications / المواصفات	MTR				
Supplier/Manufacturer / المصنع/المورد	Control Links Est. / Norden				
Contact Person / المسؤول	Mr. Mohammad Odeh				
Address Details / العنوان	Riyadh, KSA				
Local Agent / الوكيل	Control Links Est.				
Contact Person / المسؤول المحلي	Mr. Mohammad Odeh	Tel: +966 1 4735655			
Address Details / العنوان المحلي	Riyadh, KSA				
Availability/ المصدر	<input checked="" type="checkbox"/>	Local/ محلي	Imported/ مستورد		
Status / الوصف		Specified/ موصف	Alternative/ بديل		
<b>ENCLOSURES / المرفقات</b>					
<input checked="" type="checkbox"/>	Catalogue / كتالوج Technical Data Sheet	<input checked="" type="checkbox"/>	Sample / عينات	List of Suppliers / قائمة موردين	
<input type="checkbox"/>	Product Verification / شهادة توثيق	<input type="checkbox"/>	Comparison Sheet / قائمة مقارنة	Other / أخرى (Previous Approval)	
<b>Contractor's Note / ملاحظات المقاول:</b> To be used for the whole project where applicable as per approved Specifications and Shop Drawings					
Submitted for/ المقدم من: <input checked="" type="checkbox"/> Approval/ لإعتماد <input type="checkbox"/> Information/ للمعلومية <input type="checkbox"/> Coordination/ للتنسيق					
<b>Contractor:</b> (By completing the form the Contractor certifies that the document complies with contract specifications)					
المقاول: عند تعبئة النموذج يشهد المقاول أن الوثائق تطابق مع مواصفات العقد					
Signature/ التوقيع:	Date/ التاريخ:	Signature/ التوقيع:	05 Feb 2017		
Material Eng. / مهندس المواد:		Contractor's Representative / ممثل المقاول:	Engr. Waheed Mallisho		
<b>Engineer : (For Engineer's use only)</b>					
Received by / باسم المستلم:	Received Date / بتاريخ الاستلام:	Received Time / وقت الاستلام:			
<b>Engineer Comments / توصيات الاستشاري:</b>					
Code B - Norden Fiber optic cable (part No. 3128 - 310040M3.c.l) 4 Cores MM 50/125 OM3 central loose Tube Armoured for outdoor connection between MFACP and other FACPS according to MTR (approved) - Refer to the enclosed comment shed.					
Engineer Signature / توقيع الاستشاري:	Title / الوظيفة:	Date / التاريخ:	12/3/2017		
	Hussam Moh'd Aikhatieb				
<b>Result:</b>					
<input type="checkbox"/> A-Approved / يعتمد	<input checked="" type="checkbox"/> B-Approved as Noted / Return Clear Copy / يعتمد بملاحظات	<input type="checkbox"/> C- Revise & Resubmit / تراجع وبعاد التقديم	<input type="checkbox"/> D-Received for information / استلم للمعلومية		
<input type="checkbox"/> E- Rejected / مرفوض	<input type="checkbox"/> F- No Action / إجراء غير				
Distribution Copy / نسخة	<input type="checkbox"/> MOI	<input checked="" type="checkbox"/> NKY	<input type="checkbox"/> Contractor		





<b>Client:</b>	Ministry of Interior - MOI	<b>Project Name:</b>	KAP2 - Phase C1
<b>Engineer:</b>	NKY Architects & Engineers - NKY	<b>Reference Submittal / Transmittal:</b>	KAP2C1-MAT-GEN-EL-0097-R1 ( B )
<b>Contractor:</b>	Al-Rashid Trading & Contracting Co. LTD.	<b>Document Subject:</b>	Fire Alarm Cables - Fiber Optic - Norden UK
<b>Project Title:</b>	Custodian of Two Holy Mosques the King Abdullah Bin Abdulaziz's Project-Phase A	<b>Received Date:</b>	5/2/2017
		<b>Return Date:</b>	12/3/2017

No.	Ref.	Comments								
		<b>Code B : Approved as noted</b>								
1		Norden Fiber Optic Cable ( Part No. 3108-31004OM3CL ) 4 Cores Multimode 50/125 OM3 Central Loose Tube Armoured Outdoor cable. The operating temperature: -20 to +60°c. UL Fire Rated : OFNR. ( <b>Acceptable</b> )								
2		It remains the contractor's responsibility to ensure that all data provided in the equipment catalogues, documents and compliance sheet are accurate and confirm to the requirements of the contract specifications.								
3		Embossing on cable shall indicate the following :								
		a. Type of Cable, No. of Cores, Fiber Type.								
		b. Relative Standards								
		c. Manufacturer's Name								
4		d. Year of manufacturing								
		Bill of Lading confirming to country of origin must be submitted while material delivered to the site.								
5		SASO Certificate to be provided at the time of delivery.								
6		The operating environment must comply with the environmental specifications ( Ambient Temperature , Storage Temperature, Operating Humidity, Maximum Humidity Gradient, Operating Altitude and Vibration.								
Issued By: <table border="0"> <tr> <td><u>Name, Surname</u></td> <td><u>Title</u></td> <td><u>Signature</u></td> <td><u>Date</u></td> </tr> <tr> <td>Eyad H. Ghaith</td> <td>Electrical Engineer</td> <td></td> <td>12/Mar/2017</td> </tr> </table>			<u>Name, Surname</u>	<u>Title</u>	<u>Signature</u>	<u>Date</u>	Eyad H. Ghaith	Electrical Engineer		12/Mar/2017
<u>Name, Surname</u>	<u>Title</u>	<u>Signature</u>	<u>Date</u>							
Eyad H. Ghaith	Electrical Engineer		12/Mar/2017							









 <p><b>RTCC</b> شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING &amp; CONTRACTING CO. LTD.</p>	<p>مشروع خادم الحرمين الشريفين لتطوير المعمرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</p>  <p><b>Ministry of Interior</b> Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني</p>	 <p><b>NKY</b> ARCHITECTS &amp; ENGINEERS</p>
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Material List – Sample Board	
Supplier/Manufacturer /المصنع/المورد: Control Links Est. / Norden	
Material Description/المادة/وصف : <b>Fiber Optic Cable for Fire Alarm System</b>	
item	Description
1	Norden Fiber Optic Cable / 3108-31004OM3CL / Armoured Type







 <b>RTCC</b> شركة الرشد للتجارة والتعاقدات المحدودة AL-RASHID TRADING & CONTRACTING CO. LTD.		مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب <b>King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</b>		 <b>NKY</b> ARCHITECTS & ENGINEERS	
		 Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني			
<b>MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد</b>					
Site No/ رقم الموقع	General	Site Name / اسم الموقع	General	Project No. / رقم المشروع	KAP2C1
Bldg. No. / رقم المبنى	General	Bldg. Name / اسم المبنى	General	Location / المكان	BAHA & JAZAN
To/ إلى :	NKY - Architects & Engineers		Submittal No/ رقم التقديم :	KAP2C 1-MAT-GEN-EL-0148 (A)	
Attention/ عناية :	Engr. Yavus Gokhan - NKY PD		Date & Time / الوقت والتاريخ :	16 February 2017	
From/ من :	Engr. Mohd. Al Jedia - Contractor's PD		Request Return Date :	23 February 2017	
<b>MATERIALS DETAILS / تفاصيل المادة المقدمة</b>					
Material Description / وصف المادة :	MATV Cables - Fiber Optic				
Standard / Specifications / المواصفات :	As per Supplier's Recommendation				
Supplier/Manufacturer / المصنع/المورد :	Control Links Est. / Norden				
Contact Person / المسؤول :	Mr. Mohammad Odeh				
Address Details / العنوان :	Riyadh, KSA				
Local Agent / الوكيل :	Control Links Est.				
Contact Person / المسؤول المحلي :	Mr. Mohammad Odeh	Tel: +966 1 4735655			
Address Details / العنوان المحلي :	Riyadh, KSA				
Availability / المصدر	√	Local / محلي	Imported / مستورد		
Status / الوصف		Specified / موصف	Alternative / بديل		
<b>ENCLOSURES / المرفقات</b>					
√	Catalogue / كتالوج Technical Data Sheet	Sample / عينات	List of Suppliers / قائمة موردين		
	Product Verification / شهادة توثيق	Comparison Sheet / قائمة مقارنة	Other (s) (Previous Approval)		
Contractor's Note / ملاحظات المقاول: To be used for the whole project where applicable as per approved Specifications and Shop Drawings					
Submitted for / المقدم من:		<input checked="" type="checkbox"/> Approval / لإعتماد <input type="checkbox"/> Information / لمعلومات		E/M PROCUREMENT DIVISION CLOSED JOINT STOCK STOCK CO. 16 Feb 2017	
Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications). المقاول: عند تعبئة النموذج يشهد المقاول ان الوثائق تتطابق مع مواصفات العقد					
Signature / التوقيع:	Date / التاريخ:	Signature / التوقيع:	Date / التاريخ: 16 Feb 2017		
Material Eng. / مهندس المواد:		Contractor's Representative / ممثل المقاول:	Engr. Waheed Mallisho		
<b>Engineer : (For Engineer's use only)</b>					
Received by / اسم المستلم:	Received Date / تاريخ الاستلام:	Received Time / وقت الاستلام:			
Engineer Comments / توصيات الاستشاري: <span style="color: red;">12/3/2017 Eyad Alkhatib</span> <b>Code B (Conditional Approval) The Trunk distribution F.O Cable shall be provided without any claim of extra cost in order to make the MATV system fully functional.</b> هذا الموافقة لطلب المقاول لم يتم قبوله وسيطلب التأكيد - Refer to the enclosed comment sheet.					
Engineer Signature / توقيع الاستشاري:	Title / الوظيفة:	Date / التاريخ:	12 MAR 2017		
	Hussam Moh'd AlKhatieb Head Of Electrical				
Result: <input type="checkbox"/> A-Approved وتمتد <input type="checkbox"/> E- Rejected مرفوض <input checked="" type="checkbox"/> B-Approved as Noted Return Clear Copy وتمتد بملاحظات <input type="checkbox"/> C- Revise & Resubmit يراجع ويعد التقديم <input type="checkbox"/> F- No Action لا إجراء <input type="checkbox"/> D-Received for information استلم للمعلومية					
Distribution Copy / نسخة	<input type="checkbox"/> MOI	<input type="checkbox"/> NKY	<input type="checkbox"/> Contractor	<input type="checkbox"/> S/C	
					






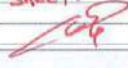


<b>Client:</b>	Ministry of Interior - MOI	<b>Project Name:</b>	KAP2 - Phase C1
<b>Engineer:</b>	NKY Architects & Engineers - NKY	<b>Reference Submittal / Transmittal:</b>	KAP2C1-MAT-GEN-EL-0148 (A)
<b>Contractor:</b>	Al-Rashid Trading & Contracting Co. LTD.	<b>Document Subject:</b>	MATV Cable - Fiber Optic (UK)
<b>Project Title:</b>	Custodian of Two Holy Mosques the King Abdullah Bin Abdulaziz's Project-Phase A	<b>Received Date:</b>	21/2/2017
		<b>Return Date:</b>	12/3/2017





No.	Ref.	Comments								
Code B : ( Conditional Approval ) The Trunk Distribution Fiber Optic Cable shall be provided without any claim of extra cost in order to make the MATV System fully functional.										
1		Central Loose Tube Armoured Outdoor 6 Core Single Mode Fiber Optic cable ( Part No. 3108-31006OS2CL from OPTINOR Norden - UK) OS2 9/125 micro meter, Operating Temperature : -20°C to 60°C, UL Fire Rated : OFNR cable type. ( <b>Acceptable</b> )								
2		It remains the contractor's responsibility to ensure that all data provided in the equipment catalogues, documents and compliance sheet are accurate and confirm to the requirements of the contract specifications.								
3		Embossing on cable shall indicate the following :								
		a. Type of cable, No. of cores, insulation PVC/LSZH/PE.								
		b. Relative standards								
		c. Manufacturer's name								
4		d. Year of manufacturing								
		Bill of Lading confirming to country of origin must be submitted while material delivered to the site.								
5		Shall provide SASO certificate of MATV Fiber Optic cable prior to material delivery								
6		The recommendation letter from the MATV system manufacturer / Supplier certifying the proposed cable for MATV System ( Trunk Distribution ). ( accepted )								
7		Warranty Letter provided and signed from the cable manufacturer and contractor ( to be signed by contractor ) as per Tender document for 25 years for all low current cables.								
8		The operating environment must comply with the environmental specifications ( Ambient Temperature , Storage Temperature, Operating Humidity. Maximum Humidity Gradient, Operating Altitude and Vibration.								
<p>Issued By:</p> <table border="0"> <tr> <td><u>Name, Surname</u></td> <td><u>Title</u></td> <td><u>Signature</u></td> <td><u>Date</u></td> </tr> <tr> <td>Eyad H. Ghaith</td> <td>Electrical Engineer</td> <td></td> <td>12/Mar/2017</td> </tr> </table>			<u>Name, Surname</u>	<u>Title</u>	<u>Signature</u>	<u>Date</u>	Eyad H. Ghaith	Electrical Engineer		12/Mar/2017
<u>Name, Surname</u>	<u>Title</u>	<u>Signature</u>	<u>Date</u>							
Eyad H. Ghaith	Electrical Engineer		12/Mar/2017							





 <p>شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING &amp; CONTRACTING CO. LTD.</p>		<p>مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</p>		 <p>ARCHITECTS &amp; ENGINEERS</p>	
 <p>Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني</p>					
<p>MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد</p>					
Site No/الموقع رقم:	34H	Site Name / اسم الموقع:	Dormitories - Type 3	Project No./رقم المشروع:	KAP2C1
Bldg. No./رقم المبنى:	General	Bldg. Name / اسم المبنى:	General	Location / المكان:	BAHA
To/إلى:	NKY - Architects & Engineers		Submittal No./رقم التقديم:	KAP2C 1-MAT-34H-EL-0150 (A)	
Attention/عناية:	Engr. Yavus Gokhan - NKY PD		Date & Time / الوقت و التاريخ:	16 February 2017	
From/من:	Engr. Mohd. Al Jedia - Contractor's PD		Request Return Date :	23 February 2017	
<p>MATERIALS DETAILS / تفاصيل المادة المقدمة</p>					
Material Description/وصف المادة:	Analogue CCTV Cable - Coaxial				
Standard / Specifications/المواصفات:	Section 16760				
Supplier/Manufacturer/المصنع/المورد:	Control Links Est. / Norden				
Contact Person/المسؤول:	Mr. Mohammad Odeh				
Address Details/العنوان:	Riyadh, KSA				
Local Agent/الوكيلة:	Control Links Est.				
Contact Person /المسؤول المحلي:	Mr. Mohammad Odeh	Tel: +966 1 4735655			
Address Details/العنوان المحلي:	Riyadh, KSA				
Availability/المصدر:	<input checked="" type="checkbox"/>	Local/محلي	<input type="checkbox"/>	Imported/مستورد	<input type="checkbox"/>
Status / التوصيف:	<input type="checkbox"/>	Specified/موصف	<input type="checkbox"/>	Alternative/بدلي	<input type="checkbox"/>
<p>ENCLOSURES / المرفقات</p>					
<input checked="" type="checkbox"/>	Catalogue / كاتالوج Technical Data Sheet	<input type="checkbox"/>	Sample / عينات	<input type="checkbox"/>	
<input type="checkbox"/>	Product Verification / شهادة توثيق	<input type="checkbox"/>	Comparison Sheet / قائمة مقارنة	<input type="checkbox"/>	
<p>Contractor's Note / ملاحظات المقاول: To be used for the whole project where applicable as per approved specifications and Shop Drawings</p>					
<p>Submitted for/التقديم من الغرض من: <input checked="" type="checkbox"/> Approval/الإعداد <input type="checkbox"/> Information/المعلومات</p>					
<p>Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications and Shop Drawings)</p>					
Signature/التوقيع:	Date/التاريخ:	Signature/التوقيع:	Date/التاريخ:	16 Feb 2017	
Material Eng. المهندس المواد:		Contractor's Representative / ممثل المقاول: Engr. Waheed Mallisho	Date/التاريخ:		
<p>Engineer: (For Engineer's use only)</p>					
Received by / اسم المستلم:	Received Date / تاريخ الإستلام:	Received Time / بوقت الإستلام:			
<p>Engineer Comments / توصيات الإستشاري:</p> <p><b>Code B - (Approved as Noted) RG-II coaxial cable (part No. 475-013B95) from Norden-UK is acceptable for Analogue CCTV system. - Refer to the enclosed comment sheet.</b></p> <p>This approval does not relieve the contractor of his responsibility as per the contract.</p>					
Engineer Signature / توقيع الإستشاري:	Title / الوظيفة:	Date / التاريخ:			
	Hussam Moh'd AlKhatieb	15/3/2017	Ejmal Ghath		
<p>Result:</p> <p><input type="checkbox"/> A-Approved <input checked="" type="checkbox"/> B-Approved as Noted Return Clear Copy <input type="checkbox"/> C- Revise &amp; Resubmit <input type="checkbox"/> D-Received for information</p> <p><input type="checkbox"/> E- Rejected <input type="checkbox"/> F- No Action</p>					
<p>Distribution Copy / نسخة <input type="checkbox"/> MOI</p>					
<p>RECEIVED 13 MAR 2017</p> <p>RECEIVED 13 MAR 2017</p> <p>RECEIVED ELECTRO-MECHANICAL PROCUREMENT DIVISION</p>					









											
12/Mar/17											
<b>Client:</b>	Ministry Of Interior - MCI	<b>Project Name:</b>	KAP2C1								
<b>Engineer:</b>	NKY Architects & Engineers - NKY	<b>Reference Submittal / Transmittal:</b>	KAP2C1-MAT-34H-EL-0150 ( A )								
<b>Contractor:</b>	Al-Rashid Trading & Contracting Co. LTD.	<b>Document Subject:</b>	Analogue CCTV Cables Material - 34H								
<b>Project Title:</b>	Custodian of Two Holy Mosques the King Abdulah Bin Abdulaziz's Project	<b>Received Date:</b>	21/2/2017								
		<b>Project No.:</b>	KAP2C1								
<b>COMMENT SHEET</b>											
<b>Ref.</b>	<b>Comments</b>										
	<b>Code B</b>										
1	RG-11 Coaxial Cable (Part No. 475-013B95 from Norden - UK ) Coaxial cable is marked with manufacturer's name Norden UK, Conductor: Bare Copper, Insulation: Foam PE, Braid Wire: BC 95% Coverage, Outer Jacket: PVC black color, Impedance: 75 Ω, Capacitance: 52.0 pF/m, Velocity of Propagation: 84%, Attenuation: 1.51 dB/100m @ 10 MHz, Operating Temperature : -20° C to +75° C. ( <b>Acceptable</b> )										
2	Shall use the required media amplifiers for long distance cable run or installation to maintain power signal at certain level.										
3	Bill of Lading confirming to country of origin must be submitted while material delivered to the site.										
4	Shall provide SASO certificate of Analogue CCTV Coaxial cable RG-11 prior to material delivery										
5	The recommendation letter from the Analogue CCTV system manufacturer / Supplier certifying the proposed cable. ( accepted )										
6	It remains the contractor's responsibility to ensure that all data provided in the equipment catalogues, documents and compliance sheet are accurate and confirm to the requirements of the contract specifications.										
7	All cables and materials shall be according to Tender specifications and Minimum Technical Requirements.										
8	Warranty Letter provided and signed by the cable manufacturer and contractor ( to be signed by the contractor ), and as per Tender document for 25 years.										
9	The operating environment must comply with the environmental specifications ( Ambient Temperature , Storage Temperature, Operating Humidity, Maximum Humidity Gradient, Operating Altitude and Vibration.										
Issued By: <table border="0" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;"><b>Name_Surname</b></td> <td style="width: 25%;"><b>Title</b></td> <td style="width: 25%;"><b>Signature</b></td> <td style="width: 25%;"><b>Date</b></td> </tr> <tr> <td>Eyad H. Ghaith</td> <td>Electrical Engineer</td> <td></td> <td>12/3/2017</td> </tr> </table>				<b>Name_Surname</b>	<b>Title</b>	<b>Signature</b>	<b>Date</b>	Eyad H. Ghaith	Electrical Engineer		12/3/2017
<b>Name_Surname</b>	<b>Title</b>	<b>Signature</b>	<b>Date</b>								
Eyad H. Ghaith	Electrical Engineer		12/3/2017								




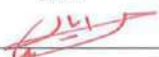
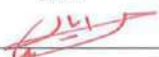
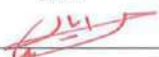




 شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING & CONTRACTING CO. LTD.		مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية - المرحلة الثانية ب <b>King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</b>		 ARCHITECTS & ENGINEERS	
		 Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني			
<b>MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد</b>					
Site No/الموقع رقم	38H	Site Name /اسم الموقع	Dormitories - Type 3	Project No./رقم المشروع	KAP2C1
Bldg. No./رقم المبنى	General	Bldg. Name/اسم المبنى	General	Location/المكان	BAHA
To/إلى:	NKY - Architects & Engineers		Submittal No./رقم التقديم	KAP2C 1-MAT-38H-EL-0151 (A)	
Attention/عناية:	Engr. Yavus Gokhan - NKY PD		Date & Time/الوقت والتاريخ	16 February 2017	
From/من:	Engr. Mohd. Al Jedia - Contractor's PD		Request Return Date	23 February 2017	
<b>MATERIALS DETAILS / تفاصيل المادة المقدمة</b>					
Material Description/وصف المادة	Analogue CCTV Cable - Coaxial				
Standard / Specifications/المواصفات	Section 16760				
Supplier/Manufacturer/المصنع/المورد	Control Links Est. / Norden				
Contact Person/المسؤول	Mr. Mohammad Odeh				
Address Details/العنوان	Riyadh, KSA				
Local Agent/الوكيل المحلي	Control Links Est.				
Contact Person/المسؤول المحلي	Mr. Mohammad Odeh	Tel: +966 1 4735655			
Address Details/العنوان المحلي	Riyadh, KSA				
Availability/المصدر	√	Local/محلي		Imported/مستورد	
Status / التوصيف		Specified/موصف		Alternative/بدلي	
<b>ENCLOSURES / المرفقات</b>					
√	Catalogue /كتالوج Technical Data Sheet		Sample /عينة		Quote from Suppliers /قائمة موردين
	Product Verification /شهادة توثيق		Comparison Sheet /قائمة مقارنة		Other Documents /Documents Approval
<b>Contractor's Note / ملاحظات المقاول:</b> To be used for the whole project where applicable as per approved Specifications and Drawing.					
Submitted for/مقدم من الخدم: <input checked="" type="checkbox"/> Approval/لإعتماد <input type="checkbox"/> Information/للمعلوماتية					
<b>Contractor:</b> (By completing the form the Contractor certifies that the document complies with contract specifications).					
المقاول: عند تعبئة النموذج يشهد المقاول ان الوثائق تتطابق مع مواصفات العقد					
Signature/التوقيع:		Date/التاريخ:		Signature/التوقيع:	16 Feb 2017
Material Eng./مهندس المواد:				Contractor's Representative/ممثل المقاول:	Engr. Waheed Mallisho
<b>Engineer : (For Engineer's use only)</b>					
Received by/اسم المستلم:		Received Date/تاريخ الاستلام:		Received Time/وقت الاستلام:	
<b>Engineer Comments/ توصيلات الإمتحان:</b>					
Code B - (Approved as Noted) RG-II coaxial cable (part No. 475-013B95 From Narden-VK) is acceptable for analogue CCTV system - Refer to the enclosed Comment sheet.					
This approval does not relieve the contractor of his responsibility as per the contract					
Engineer Signature/توقيع الإمتحان:		Title/الوظيفة:	Hussam Moh'd Alkhanjey Head Of Electrical	Date/التاريخ:	12/3/2017
<b>Result:</b>					
<input type="checkbox"/> A-Approved وتمتد	<input checked="" type="checkbox"/> B-Approved as Noted Return Clear Copy يعتمد بلاحظت	<input type="checkbox"/> C- Revise & Resubmit راجع وبعاد التقديم	<input type="checkbox"/> D-Received for information استلم للمعلومية	<input type="checkbox"/> E- Rejected مرفوض	<input type="checkbox"/> F- No Action
Distribution Copy  شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING & CONTRACTING CO. LTD. <b>13 MAR 2017</b> <b>RECEIVED</b> ELECTRO-MECHANICAL PROCUREMENT DIVISION		NKY  13 MAR 2017 R. COMAR KING ABDULLAH PROJECT FOR SECURITY FACILITIES		S/C 	








															
12/Mar/17															
<b>Client:</b>	Ministry Of Interior - MOI	<b>Project Name:</b>	KAP2C1												
<b>Engineer:</b>	NKY Architects & Engineers - NKY	<b>Reference Submittal / Transmittal:</b>	KAP2C1-MAT-3BH-EL-0151 ( A )												
<b>Contractor:</b>	Al-Rashid Trading & Contracting Co. LTD	<b>Document Subject:</b>	Analogue CCTV Cables Material - 3BH												
<b>Project Title:</b>	Custodian of Two Holy Mosques the King Abdullah Bin Abdulaziz's Project	<b>Received Date:</b>	21/2/2017												
		<b>Project No.:</b>	KAP2C1												
<b>COMMENT SHEET</b>															
<b>Ref.</b>	<b>Comments</b>														
	<b>Code B</b>														
1	RG-11 Coaxial Cable (Part No. 475-013B95 from Norden - UK ) Coaxial cable is marked with manufacturer's name Norden UK, Conductor: Bare Copper, Insulation: Foam PE, Braid Wire: BC 95% Coverage, Outer Jacket: PVC black color, Impedance: 75 Ω, Capacitance: 52.0 pF/m, Velocity of Propagation: 84%, Attenuation: 1.51 dB/100m @ 10 MHz, Operating Temperature : -20°C to +75°C. ( <b>Acceptable</b> )														
2	Shall use the required media amplifiers for long distance cable run or installation to maintain power signal at certain level.														
3	Bill of Lading confirming to country of origin must be submitted while material delivered to the site.														
4	Shall provide SASO certificate of Analogue CCTV Coaxial cable RG-11 prior to material delivery														
5	The recommendation letter from the Analogue CCTV system manufacturer / Supplier certifying the proposed cable. ( <b>accepted</b> )														
6	It remains the contractor's responsibility to ensure that all data provided in the equipment catalogues, documents and compliance sheet are accurate and confirm to the requirements of the contract specifications.														
7	All cables and materials shall be according to Tender specifications and Minimum Technical Requirements.														
8	Warranty Letter provided and signed by the cable manufacturer and contractor ( to be signed by the contractor ), and as per Tender document for 25 years.														
9	The operating environment must comply with the environmental specifications ( Ambient Temperature , Storage Temperature, Operating Humidity, Maximum Humidity Gradient, Operating Altitude and Vibration.														
<table border="0" style="width: 100%;"> <tr> <td style="width: 25%;">Issued By</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td>Name_Surname</td> <td>Title</td> <td>Signature</td> <td>Date</td> </tr> <tr> <td>Eyad H. Ghaith</td> <td>Electrical Engineer</td> <td></td> <td>12/3/2017</td> </tr> </table>				Issued By				Name_Surname	Title	Signature	Date	Eyad H. Ghaith	Electrical Engineer		12/3/2017
Issued By															
Name_Surname	Title	Signature	Date												
Eyad H. Ghaith	Electrical Engineer		12/3/2017												





 <p>شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING &amp; CONTRACTING CO. LTD.</p>		<p>مشروع خادم الحرمين الشريفين لتطوير المقرات الأمنية – المرحلة الثانية ب King Abdullah Ibn Abdulaziz Project For Development of the Security Facilities for MOI KAP-2.....</p>		 <p>ARCHITECTS &amp; ENGINEERS</p>	
 <p>Ministry of Interior Kingdom of Saudi Arabia وكالة التخطيط والتطوير الأمني</p>					
<p>MATERIAL SUBMITTAL FORM / نموذج طلب تقديم مواد</p>					
Site No./رقم الموقع	32H	Site Name / اسم الموقع	Dormitories – Type 3	Project No./رقم المشروع	KAP2C1
Bldg. No./رقم المبنى	General	Bldg. Name/ اسم المبنى	General	Location/المكان	JAZAN
To/إلى:	NKY – Architects & Engineers		Submittal No./رقم التقديم:	KAP2C 1-MAT-32H-EL-0149 (A)	
Attention/عناية:	Engr. Yavus Gokhan – NKY PD		Date & Time /الوقت و التاريخ:	16 February 2017	
From/من:	Engr. Mohd. Al Jedia – Contractor's PD		Request Return Date :	23 February 2017	
<p>MATERIALS DETAILS / تفاصيل المادة المقدمة</p>					
Material Description/ وصف المادة:	Analogue CCTV Cable - Coaxial				
Standard / Specifications/ المواصفات:	Section 16760				
Supplier/Manufacturer/ المورد/المصنع:	Control Links Est. / Norden				
Contact Person/المسؤول:	Mr. Mohammad Odeh				
Address Details/العنوان:	Riyadh, KSA				
Local Agent/الوكيلة:	Control Links Est.				
Contact Person /المسؤول المحلي:	Mr. Mohammad Odeh	Tel: +966 1 4735655			
Address Details/العنوان المحلي:	Riyadh, KSA				
Availability/المصدر:	√	Local/محلي		Imported/مستورد	
Status / التوصيف:		Specified/مؤصف		Alternative/بديل	
<p>ENCLOSURES / المرفقات</p>					
√	Catalogue /قائمة المواصفات Technical Data Sheet	Sample /عينات		List of Suppliers / قائمة موردين	
	Product Verification / شهادة توثيق	Comparison Sheet / قائمة مقارنة		Other Documents (Pre-Work Approval)	
<p>Contractor's Note / ملاحظات المقاول: To be used for the whole project where applicable as per approved specific works and drawings</p>					
<p>Submitted for/الغرض من التقديم: <input checked="" type="checkbox"/> Approval/للاعتناء <input type="checkbox"/> Information/المعلومية</p>					
<p>Contractor: (By completing the form the Contractor certifies that the document complies with contract specifications).</p>					
<p>المقاول: عند تعبئة النموذج وشهد المقاول ان الوثائق تتطابق مع مواصفات العقد</p>					
Signature/التوقيع:	Date/التاريخ:	Signature/التوقيع:	16 Feb 2017		
Material Eng. /مهندس المواد:		Contractor's Representative /ممثل المقاول:	Engr. Waheed Mallisha /التاريخ:		
<p>Engineer : (For Engineer's use only)</p>					
Received by	Received Date	Received Time			
اسم المستلم:	تاريخ الاستلام:	وقت الاستلام:			
<p>Engineer Comments/ توصيات الاستشاري:</p>					
<p><b>Code B - (Approved as Noted) RG-11 coaxial Cable (part No. 475-013895)</b>  <b>From Norden-UK is acceptable for analogue CCTV system. - Refer to the enclosed comment sheet.</b>                  This approval does not relieve the contractor of his responsibility as per the contract                  12/3/2017 Eyad Ghoth</p>					
Engineer Signature	Title:	Date			
توقيع الاستشاري	Hussam Moh'd AlKhatieb Head Of Electrical	12 MAR 2017			
<p>Result:</p>					
<input type="checkbox"/> A-Approved	<input checked="" type="checkbox"/> B-Approved as Noted	<input type="checkbox"/> C- Revise & Resubmit	<input type="checkbox"/> D-Received for information		
<input type="checkbox"/> E- Rejected	Return Clear Copy	يراجع ويعدم التقديم	استلام للمعلومية		
يرفض	يعتمد	F- No Action			
<p>Distribution Copy / نسخة <input type="checkbox"/> MOI <input type="checkbox"/></p>					
<p>RECEIVED 13 MAR 2017                  RECEIVED 13 MAR 2017                  RECEIVED 13 MAR 2017</p>					



BMTS/ADH/FMS/AK/LT  
14th February 2017

To

**M/s Norden communication Middle East  
Hamariya Freezone , Sharjah ,UAE**

**Sub : Letter of appreciation –To whom may it concern**

Dear M/s Norden,

It is a privilege for us to have an association with Norden Communication, your significant contribution and support has helped us win several projects with our customers, especially with CMW projects which are a significant achievement for BMTS.

BMTS would recommend our customers to go with Norden passive solution.

I would like to appreciate Norden for the support and significant contribution in winning the prestigious CMW projects .You have always given quality output in all the projects you undertook.

Thanking you,

**Akhil Kolor**  
Sales Engineer -BMTS



شركة البحري والمزروعى للأنظمة الفنية (ش.ذ.م.م.)  
Bahri & Mazroei Technical Systems Co. (LLC)  
PO Box 48536, Abu Dhabi, United Arab Emirates  
Tel.: +971 2 4457677 | Fax.: + 971 2 6768484  
E-Mail.: [info@bmts.ae](mailto:info@bmts.ae) | [www.bmts.ae](http://www.bmts.ae)







AL SUBEAEI RESIDENCE COMPLEX  
RIYADH-KSA



Document Submittal Form

Received by MHA

Project Name	ALSUBEAEI RESIDENCE COMPLEX	Project No	
Contractor	ADEX	Project Location	EXIT-2, RIYADH
Contract No.		Document Submittal No.	SRG-AC-DS-ELC-03
To Consultant	MHA	Date	24-Dec-2016

Document No.	Type	Description	Rev No.	Action Required
01	Pre-qualification	AI faneyah & NORDEN	00	<input checked="" type="checkbox"/> Approval <input type="checkbox"/> Comments <input checked="" type="checkbox"/> Information <input type="checkbox"/> Other
02	SAMPLE BOARD	FIRE ALARM CABLE FPLR 2X1.5 & 2X2.5 Sqr. mm	00	<input type="checkbox"/> Approval <input type="checkbox"/> Comments <input checked="" type="checkbox"/> Information <input type="checkbox"/> Other <input type="checkbox"/> Approval <input type="checkbox"/> Comments <input type="checkbox"/> Information <input type="checkbox"/> Other

Note:

Contractor Authorized Signatory

Name		Date	24-12-2016
Signature			

MHA Consultant / Engineer Comments

- Approved as a second option for fire alarm cable, top priority in golden brand.  
 - Selection reference see page 5 and 6 fire cable catalogue  
 - Zakat, chamber of commerce certificate, company supplier registration certificate, warranty and Guarantee certificate and etc. to be submitted all valid.

Status Code	<input type="checkbox"/> 1 - Approved <input checked="" type="checkbox"/> 2 - Approved With Comments <input type="checkbox"/> 3 - Not Approved, Revise & Re-submit <input type="checkbox"/> 4 - Rejected As Comments
MHA PM Signature	 Date: 21.12.16 Specialist Signature:

A) - Works shall only proceed when action code is (1) or (2)  
 B) - Action code (3) shall be Resubmitted  
 C) - Review does not relieve the Contractor from his responsibility of compliance with all requirements of the project contract and specifications.

Cc : Contractor For Compliance      Cc : Client For Info      Cc : MHA For Record

Received By Contractor		Date	
------------------------	--	------	--

1/1/17





28056  
R-IN-28056

King Abdullah Bin Abdulaziz Development of MOI's Security KAP4 Project		
Contractor	Consultant	Owner
 شركة الراشد للتجارة والمقاولات المحدودة AL-RASHID TRADING & CONTRACTING CO. LTD. Al-Rashid Trading & Contracting Co Ltd.	 PROGER Engineering & Management	 Ministry of Interior
<b>Request For Technical Information ( RTI )</b>		
Request No. :	KAP4-RTI-106-MGXX-TT-0012	Date : 05 March 2017
Drawing Ref.	-----	
BOQ Ref.	-----	
Specs Ref.	-----	
<b>Contractor</b>	<b>Subject: MATV Cabinet Rack (Material Part No. Changes)</b> (Applicable to Site 106,107,113,116)	
Query :	<p style="text-align: center; color: red;">PREVIOUS</p> With reference to the above mentioned subject, we would like to ask your advise and recommendation regarding the changes of material part number of Cabinet Rack as stated below as per manufacturer confirmation:  Reference Material Approval: KAP4-MAT-106,107,113,116-BXXX-TT-0016-1 Material Description: Cabinet Rack 42U, 800x800 Front Perforated Divided / Back perforated Divided Door previous Approval Part No. <span style="border: 1px solid red; padding: 2px;">1323-428833X</span> New / Correct Part No. <span style="border: 1px solid red; padding: 2px;">1320-428844X</span> <span style="border: 1px solid red; padding: 2px;">1320-428844R1</span> ← <span style="color: red;">New</span> Brand: Norden  Attached herewith a copy of material Reference from manufacturer regarding the changes on the material part number and previous material approval, for your reference.	
Engineer's immediate review and reply is highly appreciated <div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: left;"> <p style="font-size: 1.2em; color: blue;">Eng Waheed</p> </div> <div style="text-align: right;"> </div> </div>		
<b>Engineer's Comments</b>	Date:	
Reply:	Cabinet Rack of NORDEN make Part #1320-428844R1 is approved. It would replace the previous model 1323-428833X as per manufacturer recommendation <div style="text-align: right; margin-top: 10px;"> <p style="font-size: 1.2em; color: blue;">Majid Ahmad</p> </div>	
Name: Eng Bara'a Al Ma'ani	Position : Electrical Chief	Signature: <i>Bara'a Al Ma'ani</i> 16/3/17
<b>Reference :</b>	Refer to our recommendations and comments on : Drawings No. _____ / Submittal No. _____ Copies to : 1. _____ 2. _____	

شركة الراشد للتجارة والمقاولات المحدودة  
 AL-RASHID TRADING & CONTRACTING CO. LTD.  
**RTCC** 20 MAR 2017  
**RECEIVED**  
 ELECTRO-MECHANICAL PROCUREMENT DIVISION

KAP4 RTI-106 MGXX TT-0012-001



# EDNA MALL HTS P.L.C

Ref.No EHTS/ GM/417/09  
Date: Feb 24, 2017

To M/s Norden Communication Middle East  
Hamariya Freezone, Shariah,UAE

Subject: Letter of Appreciation – To Whom May It Concern

Dear M/s Norden:

It is a privilege for us to have an association with Norden Communication, your significant contribution and support has helped us win several projects with our customers, especially for the below listed ones :-

1. Commercial Bank of Ethiopia Lideta branch - Network Infrastructure Project
2. Beherawi-2B+G+UULIS Development Building Network Infrastructure
3. Five Federal Government office Building Network Infrastructure Project (Ministry of Science and Technology)
4. Bahir Dar University Medical Faculty Education Facility Network Infrastructure
5. Tikur Anbesa Hospital Emergency Medicine Unit Building Network Infrastructure
6. Federal Judge Network Infrastructure Project
7. Africa Insurance Branch Head office Network infrastructure project
8. Tekleberhan Ambaye Construction Head office Network infrastructure project
9. Edna Mall HTS PLC Head office Network infrastructure project
10. Commercial Bank of Ethiopia- Megenagna Branch
11. SBG Trading office Network infrastructure project
12. TAF Corporate Group office Network infrastructure project
13. The above mentioned projects have a significant achievement for Edan Mall HTS.

Edna Mall HTS would recommend our customers to go with Norden passive solution.

We would like to appreciate Norden for the support and significant contribution in winning the above projects. You have always given a quality output in all the projects you undertook.

Best Regards;



*Sofonias Yifru*  
Sofonias Yifru  
General Manager

**EDNA MALL HTS P.L.C**

Office tele: +251 116 392 200  
+251 116 392 201  
+251 116 392 202  
+251 116 392 204

Mob: +251 912 507 777  
+251 912 507 778  
+251 912 507 779  
+251 911 517 909  
+251 930 110 163

email: info@ednahts.com

**BOSCH**  
Invented for life

**DYNACORD**  
COMMUNICATIONS AND ELECTRICAL

**EV**  
ELECTRO VOICE

**RBH ACCESS**

**Tescom**  
Uninterruptible Power Systems

website: www.ednahts.com



## Meridian IT Solutions LLC

*Our Letter Ref: Proj - IT - M0018*

*Date: 25-Jan-2017*

To,

**Norden Communication Middle East FZE**

Tel : +971 4 3926391, Fax : +971 4 3926395  
P.O. Box : 341072. DSO, Dubai, U.A.E

### TO WHOM IT MAY CONCERN

With this letter, Meridian IT Solution LLC Confirms that NORDEN Products were successfully Installed, Tested & Commissioned For the projects mentioned below.

**1. Construction of Infrastructure for New Residential Area in Liwa**

(Status – Project Awarded)

Contractor – Towel Group

Consultant – AAW Consulting Engineering

IT Contractor – OHI Telecommunication

IT Sub Contractor – Meridian IT Solution LLC

**2. IT Infrastructure Project - NESTO Hyper Market – Al Hail – Muscat**

(Status – Project Completed)

IT Contractor – SAFA Alkon Technologies

Material Supply by – Meridian IT Solution LLC

CAT6 Cables + Cabinets and Accessories

With this we here of testify and noted that NORDEN Brand is highly recommended for any project related to the system and projects of companies which it cater.

Sincerely,

For Meridian IT Solutions LLC  
Moosa MOhamed Abdullah.  
Sr. Technical Consultant.



Confidential

Page 1 of 1

PC 114 PB No. 758, suite 61 Bldg No 168, Amerat, Muscat-Oman

Tel: +968 24872486 Fax: +968 24872486

www.mitsme.com






### MATERIAL SUBMITTAL

PROJECT: AL- REEM TOWER/ U. A. Q.  
SUBJECT: STRUCTRED CABLE SYSTEM  
REFERANCE: MAT- MEP- ELEC- 010. REV. 1  
MAKE: NORDEN- UK  
SUPPLIER: AMERICANA COMUTER SYATEMS  
STATUS: APPROVED AS NOTED

#### COMMENTS:

Final approval is subjected to the following:

1. The faceplate shall be submitted along with wiring accessories and shall work with the CAT 6 UTP keystone jack by Norden.
2. The racks shall be fan equipped type.
3. The manufacturer shall assure program which provides that the certified system will support the applications for which it is designed (CAT 6 for copper and OM3 performance specifications for multimode fiber optic links and GPON for single mode fiber optic links), during the lifetime of the certified system.



Ashraf Najeeb Younes

Sr. Electrical Engineer

28 June 2015







ROYAL COMMISSION FOR JUBAIL AND YANBU  
MADINAT AL-JUBAIL AL-SINAIYAH  
CONSTRUCTION DEPARTMENT  
SUBMITTAL REVIEW

REVIEWER : \_\_\_\_\_  
DATE IN : 1/30/2017  
COMPLETE : \_\_\_\_\_  
DOC/DWG. NO : 16-056-02 REV: 2

- 1  WORK MAY PROCEED
- 2  REVISE AND RESUBMIT, WORK MAY PROCEED SUBJECT TO INCORPORATION OF CHANGES INDICATED
- 3  REVISE AND RESUBMIT, WORK MAY NOT PROCEED
- 4  REVIEW NOT REQUIRED, WORK MAY

DISTRIBUTION REQUIRED?  YES

DOC/DWG TITLE:  
Material Approval request - Fire alarm system cable

IMPORTANT: PERMISSION TO PROCEED DOES NOT CONSTITUTE ACCEPTANCE OR APPROVAL OF DESIGN DETAILS, CALCULATIONS ANALYSES, TEST METHODS OR MATERIALS DEVELOPED OR SELECTED BY THE SUPPLIER DOES NOT RELIEVE THE CONTRACTOR FROM HIS CONTRACTUAL OBLIGATIONS.

SIGN: [Signature] DATE 06/02/2017

COMMENTS:  
COMMENTS MUST BE WRITTEN LEGIBLY FOR TRANSMISSION TO CONTRACTOR

CONTRACT NO. : 021-C09  
CONTRACTOR TRANS. NO. : 1442  
RC TRANSMITTAL NO : 376

IMPORTANT:  
AS MUCH AS POSSIBLE, COMMENTS MUST BE WRITTEN ON THIS FORM OR ATTACHED PAGES. COMMENTS WHICH CAN ONLY BE POSSIBLE ON THE CONTRACTOR'S SUBMITTAL MUST BE INDEXED ON THIS FORM.

DOCUMENT STATUS APPLIES TO TECHNICAL CONTENT ONLY. USE OF FOREIGN MATERIALS, EQUIPMENT AND SERVICES IS SUBJECT TO ROYAL COMMISSION'S APPROVAL. ONCE THIS TECHNICAL SUBMITTAL IS GIVEN CODE 1 OR 2 STATUS, CONTRACTOR SHALL SUBMIT VENDOR APPROVAL (WITH TECHNICAL SUBMITTAL PACKAGE) FOR ROYAL COMMISSION'S REVIEW. PROCUREMENT PRIOR TO THIS APPROVAL IS DONE AT THE CONTRACTOR'S OWN RISK.

Multiple horizontal lines for handwritten comments.

Monday, January 30, 2017



Date : 29-Jan-17

Paid up capital S.R. 1,000,000

رأس المال المدفوع / ريال سعودي 1,000,000

**Technical Submittal Form**  
**Contract No: 021-C09**  
**Project Name: P & C of Labor Camp (Phase 1)**  
**Transmittal No: 1442**



Royal Commission for Jubail & Yanbu  
 Madinat Al-Jubail Al-Sinaiyah - 31961  
 Kingdom of Saudi Arabia

Attention : MR. JAMEEL R. SYED  
 Resident Engineer

Subject: MATERIAL APPROVAL REQUEST: FIRE ALARM SYSTEM CABLE

Discipline :

Civil / Structural / Arch.     Mechanical     Electrical / Instrument     General

<input checked="" type="checkbox"/> Technical Submittal	<input type="checkbox"/> Technical Query	<input type="checkbox"/> Test Reports
<input type="checkbox"/> Method Statement	<input type="checkbox"/> Field Change Documents	<input type="checkbox"/> Design Calculations
<input type="checkbox"/> Inspection & Test Plan	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> IFC/Final Quantity	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> AS-Built Drawings	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> Shop Drawings	<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/> CV/Resume	<input type="checkbox"/>	<input type="checkbox"/>

Others: \_\_\_\_\_  
Please Specify

Document No.	Rev No.	Description	Material Submittal		
			Manufacturer Name	Supplier Name	RC CSI Code : (e.g.16-01)
16-056-02	2	MATERIAL APPROVAL REQUEST: FIRE ALARM SYSTEM CABLE	NORDEN COMMUNICATION	INTEGRATED BUILDING SOLUTIONS	16-01

Engr. Mahmoud Jamil Abu Kabir  
 Project Manager





RAKAN TRADING & CONTRACTING  
 Al-Khobar C.R. No. 2051030201 C. O. C. No. 2017/1

شركة رآكان للتجارة والمقاولات المحدودة  
 رقم العضوية ٧٠١٢١ س.ج. ٢٠٥١٠٣٠١٠١



R-IN-29064

Kingdom of Saudi Arabia Security Planning and Development Agency - Kap4 Project			
 Ministry of interior	 PROGER Engineering & Management	 Contractor	
<b>SAMPLE TAG</b>		IP Telephony & Data System (Telecomm. Outlet - Face Plate) UK Face Plate Plain 02 Port - NORDEN (Part No.: 124-12102WH)	
Material Submittal # MAT	KAP4 - MAT - 101 - BXXX - TT - 0013 - Rev. 7	DATE: 16-May-17	ACTION CODE: B
	KAP4 - MAT - 102 - BXXX - TT 0013 - Rev. 7		
	KAP4 - MAT - 110 - BXXX - TT - 0013 - Rev. 7		
	KAP4 - MAT - 111 - BXXX - TT - 0013 - Rev. 18		
	KAP4 - MAT - 112 - BXXX - TT - 0013 - Rev. 7		
Reference B.O.Q.:		Reference Specs: 16715	
SAMPLE STORAGE	SHELF _____	LEVEL _____	POS _____
Manufacturer's name: <b>NORDEN</b>		Site / Project	
Country of origin: <b>United Kingdom</b>		MULTIPLE TO BE SENT TO General Directorate of Civil Defense General Directorate of Administrative Investigation General Directorate of Prison General Directorate of Passport General Directorate of Drug Control	
Contractor's Signature:  Date: 16-May-17		Location: Eastern Land Road (ELR)	
		ENGINEER'S REVIEW / COMMENT Norden UK make Face Plate Sample for Data Outlet Part # 124-12102WH is approved 	
Signature:  Date: 17-May-2017		CONFORMITY CHECK Signature: _____ Date: _____	
		SITE ACCEPTANCE Signature: _____ Date: _____	
<input type="checkbox"/> APPROVED AS SUBMITTED <input type="checkbox"/> APPROVED AS NOTED <input type="checkbox"/> REVISE AND RESUBMIT <input type="checkbox"/> REJECTED <input type="checkbox"/> FOR INFORMATION			





## Honeywell

Honeywell Middle East FZE  
P.O. Box: 18530, Office No. LB08, 199  
Jebel Ali, Dubai, U.A.E.  
Telephone: (971-4) 8073200  
Fax: (971-4) 8831611

## هانيويل

هانيويل ميديل ايسست م.ح  
ص.ب: ١٨٥٣٠، مكتب رقم ١٩٩ ال بي ٠٨  
جبل علي، دبي، ا.ع.م.  
هاتف: ٨٠٧٣٢٠٠ (٤-٩٧١)  
فاكس: ٨٨٣١٦١١ (٤-٩٧١)

Date: 9<sup>th</sup> May 2017  
Ref: PAVA/22/05/17

Sub: Cables with VARIODYN D1 Public Address and Voice Alarm system

### To Whom It May Concern:

This is to confirm that the proposed Norden cables are compatible with Honeywell VARIODYN D1 public address and voice alarm systems in achieving the required performance, SPL, noise immunity, dB power loss calculation.

Sincerely,



Sumeet Rajpal  
Product Manager  
Mob: - +971506162127





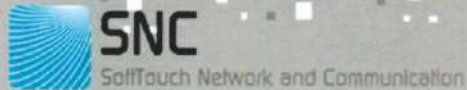


# ■ REFERENCES



# CABINET & ACCESSORIES





P.O.Box : 40365, Abu Dhabi, UAE  
Phone : 02 6812042, Fax : 02 6812045

## Work Completion Certificate

**Client Name** : Al Wathba Municipality

**Contractor** : Gulf Pioneer General Contracting Co. LLC

**Project Name** : Refurbishment work for Abu Dhabi Municipality – Alwathba Accommodation

**LPO No** : 1305/AGT/IT-01

**Quote Ref. No.** : 2035R3/GUPCO/2013

**Works Description** : Cabling, termination testing of 56 network point, Supply and installation of Cisco Switches & Routers, UPS Systems and Access Control Systems

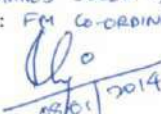
**Project Start Date** : 01/10/2013      **Project Completion Date** : 19/12/2013

We hereby confirm that we have successfully completed the Structured Cabling using **Brand-Norden** Cat 6 UTP cables and connecting accessories for 56 Points, which includes supply, cabling, labeling, testing and termination at both ends mentioned against referenced project, which also includes Supply and installation of Cisco Switches, Routers, UPS Systems and Access control systems for server room. We have completed all tasks assigned as per the contract/LPO terms and as defined in the drawings and/or other communication.

We hereby confirm that the quality of work meets the criteria set in your L.P.O/contract terms. Any new additional changes/shifting and additions after this would be chargeable at mutually agreed rates.

(Kindly sign below as acknowledgement of the above)

We Accept the above:


Client: MUSANADIA  
Name: MANOJ JOOSA GIRLY  
Designation: FM CO-ORDINATOR  
Signature:   
Date: 05/01/2014

We Accept the above:

Contractor  
Name: Waleed Abdul Gafia  
Designation:  
Signature:  
Date: 05/01/2014



We Certify as above:

Soft Touch Network & Communication  
Name: ASHWIN ARAVINDHARSHAN  
Designation: Senior Executive - Ops.  
Signature:   
Date: 7<sup>th</sup> Jan '2014



Comments / Feedback from the Client:

\* WARRANTY LETTER FROM MAIN CONTRACTOR TO BE PROVIDED  
\* FLUKE TEST REPORT WILL BE CROSS CHECKED BY CLIENT IT  
\* RECEIVED FLUKE TEST REPORT & DRAWINGS

  
05/01/2014





الوفاء  
لخدمات الأنظمة الفنية

9 October 2013

To ,  
Norden Communication Middle East Fze,  
P.O. Box: 341072. DSO, Dubai,U.A.E.  
Tel: 971 4-3926391 Fax; 9714- 3926395

**To Whomsoever It Concerns**

We recommend NORDEN COMMUNICATION products were successfully installed, tested and commissioned for ZADCO Capital Plaza Project .We have used Cat 6A solution as well as SM Fiber connectivity for the project.

I appreciate the commitment ,quality and the timely delivery of products that the Norden team has shown on this project.

With this we hereby testify and note that Norden Communications is highly recommended by us for any future projects related to the structured cabling systems.

Thanks and regards,

Sincerely,  
For Wafa Technical Systems Services



Shefeek Muhammed Haneefa  
Manager Sales & Technical Support.  
Email ID- [shefeek@wafa.ae](mailto:shefeek@wafa.ae)  
Contact no – 050 4496 324

**Head Office(Operation Office)**

Wafa Technical Systems Services  
1st Floor ,GASOS Building  
Sector M-15, Plot-2  
Musafah Abu Dhabi, UAE.  
Tel : +971-2-555 7886  
Fax: +971-2-555 7887  
Email: [info@wafa.ae](mailto:info@wafa.ae)

**Abu Dhabi(Branch Office)**

Wafa Technical Systems Services M-3, Sabah Al  
Rumaythi Building, Next to Rainbow Steak House,  
Off Hamdan Street, PO Box 44861,  
ABU DHABI, UAE.  
Tel : - 02-6334216  
Email: [info@wafa.ae](mailto:info@wafa.ae)

**Dubai (Branch Office)**

P.O.Box.86043, Dubai, U.A.E.  
Dubai Media City, Concord Tower,  
19th Floor,Office # 1901 - 1902  
Tel : - 04 - 4390330  
Fax: - 04 - 4390328  
Email: [info@wafa.ae](mailto:info@wafa.ae)

**Doha, Qatar Office**

P. O. Box 4948  
Doha, Qatar  
Tel : - +974 4 4231139  
Fax: - +974 4 4231100  
Email: [info@wafa.ae](mailto:info@wafa.ae)

[www.wafa.ae](http://www.wafa.ae)



**TO WHOM IT MAY CONCERN**



Sub: Letter of Appreciation

NSN Qatar hereby would like to notify that we have successfully installed the Data and Fiber Networking products from NORDEN Structured Cabling System in our office.

We appreciate the norms of quality of NORDEN's Products and Services.

Nokia Siemens Networks GmbH & Co KG  
Mesaimer Road, Bldg.119  
P.O.Box 23179  
Abu Hamour,  
Doha Qatar



Nokia Siemens Networks GmbH & Co KG  
Mesaimer Road, Bldg.119  
P.O.Box 23179  
Abu Hamour,  
Doha Qatar

Telephone +974 4638101  
Mobile + 974 5876641  
Fax +974 4694918  
e-mail address:  
richard.dsouza@nsm.com

Your letter of:

Date: 15.02.2010

Nokia Siemens Networks GmbH & Co. KG  
Board of Directors: Lothar Sommer, Carl Hoptmann  
Registered office: Munich - Commercial registry:  
Munich, HRB 16537 - USt-Id-Nr.: DE 25364004  
General Partner:  
Nokia Siemens Networks Management GmbH  
Registered office: Munich - Commercial registry:  
Munich, HRB 163410



# Square Computers



# المربع لاجهزة الكمبيوتر

October- 2011

Greetings!

To: **Norden Communication Middle East Fze**  
 Tel: +9716 52 62 516 Fax: +97165262517  
[www.nordencommunication.com](http://www.nordencommunication.com)  
 Hamriyah Free Zone, Sharjah, UAE

From: **Square Computers**  
**Abudhabi-UAE**

## COMMENDATION

Here of this letter with our company **M/s. SQUARE COMPUTERS** which used **NORDEN COMMUNICATION PRODUCTS** confirmed that **the NORDEN COMMUNICATION products** is successfully installed, tested and commissioned for each of its projects.

With this we here of testify and noted that **Norden Communication Brand** is highly recommended for any projects related to the systems and project of companies which it cater. Moreover in success of the project **GASCO-Habshaan5** where **Norden Products** was used -is a proof that the Brand of **Norden** is eminent and highly valuable to its market and to the society.

With all the commitment the company offered as they go with us in our project .Our company commends and recommend **Norden Communication Products**.

Noted:

Authority here of Signed: MR/MS:



تلفون: ٥٢-٦٧٧٤١٩ - فاكس: ٥٢-٦٧٧٤١٤ - ص.ب. ٣٤٣٠٦ - أبو ظبي - أ.ع.م. - U.A.E. - Abu Dhabi - P. O. Box :34306 - ٥٢-٦٧٧٤١٤

Computer Hardware & Software, Upgrading, Networking, PABX System Installation, Structured Cabling, CCTV, Security Lock's  
 Repairing of all types of Printers Plotters, Monitors, Laptops, PhotoCopiers, Fax Machines etc



# Square Computers



# المربع لاجهزة الكمبيوتر

October- 2011

Greetings!

To: Norden Communication Middle East Fze  
 Tel: +9716 52 62 516 Fax: +97165262517  
[www.nordencommunication.com](http://www.nordencommunication.com)  
 Hamriyah Free Zone, Sharjah, UAE

From: Square Computers  
 Abudhabi-UAE

## COMMENDATION

Here of this letter with our company **M/s. SQUARE COMPUTERS** which used NORDEN COMMUNICATION PRODUCTS confirmed that *the NORDEN COMMUNICATION products* is successfully installed, tested and commissioned for each of its projects.

With this we here of testify and noted that Norden Communication Brand is highly recommended for any projects related to the systems and project of companies which it cater. Moreover in success of the project **KHARAFI NATIONAL – Saadiyat Island** where Norden Products was used -is a proof that the Brand of Norden is eminent and highly valuable to its market and to the society.

With all the commitment the company offered as they go with us in our project .Our company commends and recommend Norden Communication Products:

Noted:

Authority here of signed: MR/MS:



تلفون : ١٧٧١٠١٩ - ١٢ - فاكس : ١٧٧١٠١٤ - ١٢ - ص.ب : ٣٤٣٠٦ - أبو ظبي - أ.ع.م. - ٠٢ - 6779019 Fax : 02 - 6774514 P. O. Box :34306 Abu Dhabi - U.A.E

Computer Hardware & Software, Upgrading, Networking, PABX System Installation, Structured Cabling, CCTV, Security Lock's  
 Repairing of all types of Printers Plotters, Monitors, Laptops, PhotoCopiers, Fax Machines etc.



**OCS INFORMATION TECHNOLOGY SOLUTIONS**

A Member of the OCS Group of Companies

Date :17/05/2010  
Ref: OCS/10/0327**To: Norden Communication Middle East Fze**

Tel: +9716 52 62 516 Fax: +97165262517

Hamriyah Free Zone, Sharjah, UAE

*Project Completion*

With all the best it could offer, **NORDEN BRAND** product of UK is certainly excellent in its product service and modification..

Hereby attest and certify that **NORDEN** products are best recognized of our company '**OCS IT SOLUTIONS**' with the project **Grand Mill** - Abu Dhabi successfully installed, tested & commissioned

Thanks and Best Regards

Gigi Thomas

Project Manager

*Solutions for Your Success*

P.O. Box 14408, Alj. Uthair, United Arab Emirates. Tel: +971 2 6418257. Fax: +971 2 6418258. info@ocsgroup.com www.ocsgroup.com



Date: 7<sup>th</sup> of Nov 2010  
Ref. INS/NCME/1634/10

MIS. **Norden Communication Middle East Fze**  
Tel: +9716 52 62 516  
Fax: +97165262517

[www.nordencommunication.com](http://www.nordencommunication.com)  
Hamriyah Free Zone, **Sharjah**, UAE

#### COMMENDATION

On behalf of INS Telecoms & Control Systems we would like to confirm that we have dealt with **NORDEN COMMUNICATION** and used some of their products for our project at Al-Maktoum International Airport where we have found these products reliable and the level of service of service to be professional.

We do not hesitate recommending **NORDEN COMMUNICATION'** products for further projects as we have sensed the professionalism in dealing with **NORDEN COMMUNICATION'** sales team presented in meeting delivery deadlines, reasonable prices and most important; pleasant people to work with.

This recommendation was issued upon **NORDEN COMMUNICATION'** request with no liabilities to INS Telecoms & Control Systems.

Sincerely,

**Khaled Qutaiba**  
Commercial Manager



S11, Zayed Road, Gold & Diamond Park, Block 5 - Office, 211 P.O Box: 212868 Dubai - United Arab Emirates  
Tel: +9714 3416922 Fax: +9714 3414779 E-mail: [info@insit-me.com](mailto:info@insit-me.com) Website: <http://www.insit-me.com>



# GBM



الخليج للألات التجارية (جي. بي. إم) ذ.م.ج.  
Gulf Business Machines (GBM) LLC

PO Box 203, Abu Dhabi, United Arab Emirates  
Tel: +9712 427 5145 Fax: +9712 427 2498  
C.R. - 14473  
[www.gbmlibm.com](http://www.gbmlibm.com)

Ref: GK/AUH/0999-N/2010

Date: 02/05/2010

To: Norden Communication Middle East Fze

Tel: +9716 52 62 516 Fax: +97165262517

Hamriyah Free Zone, Sharjah, UAE


### To Whom It May Concern

Here of this letter with our company **GULF BUSINESS & MACHINES (GBM)** confirmed that **NORDEN** Products are successfully installed, tested and commissioned for the project:

- Statistics Center - Abu Dhabi
- Honeywell
- National Bureau of Statistics

With this we here of testify and noted that **Norden** Brand is highly recommended for any projects related to the systems and project of companies which it cater.

Regards

  
**Georges EL-Khoury**  
Sen. Networking Sales Specialist





الخليج للألات التجارية (جي. بي. إم) ذ.م.ج.  
Gulf Business Machines (GBM) ش.م.ل.  
PO Box 203, Abu Dhabi, United Arab Emirates  
Tel: +9712 627 5165 Fax: +9712 627 2498  
C.R. - 16473  
www.gbm4ibm.com

**Ref:** NA/AUH/1000-N/2010  
**Date:** 16/05/2010  
**To:** Norden Communication Middle East Fze  
Tel: +971-6-52 62 516  
Fax : +971-6-52 62 517  
Hamriyah Free Zone , Sharjah, UAE

### **To Whom it May Concern**

With this letter, Gulf Business Machines (GBM) confirms that **NORDEN** Products were successfully, installed, tested and commissioned for the project:

- Sheikh Khalifa Medical City (SKMC)
- Abu Dhabi Investment Authority (ADIA)

With this we here of testify and noted that **NORDEN Brand** is highly recommended for any project related to the systems and project of companies which it cater.

Regards



**Nabil Azar**  
Sen. Networking & Site services Sales Specialist





DEC 18, 2010

Greetings!

To: Norden Communication Middle East Fze  
Tel: +9716 52 62 516 Fax: +97165262517  
[www.nordencommunication.com](http://www.nordencommunication.com)  
Hamriyah Free Zone, Sharjah, UAE

From: ENG. ALI JAMOUS

COMMENDATION

Here of this letter with our company **NANO NETWORKING SYSTEMS** which used **NORDEN**

**COMMUNICATION PRODUCTS** confirmed that *the NORDEN COMMUNICATION products* is successfully installed, tested and commissioned for each of its projects.

With this we here of testify and noted that Norden Communication Brand is highly recommended for any projects related to the systems and project of companies which it cater.

Moreover in success of the project *Police Office at Mohammad Bin Zayed Stadium* where Norden Products was used -is a proof that the Brand of Norden is eminent and highly valuable to its market and to the society.

With all the commitment the company offered as they go with us in our project .Our company commends and recommend Norden Communication Products.

Noted:

Authority here of Signed: MR/MS:

ALI JAMOUS

Project Manager



Tel: +9716 52 62 516

Fax: +9716 52 62 517

E-mail: [info@norden.com](mailto:info@norden.com)[www.norden.com](http://www.norden.com)

P.O. Box: 26666, Sharjah



DEC 18, 2010

Greetings!

To: Norden Communication Middle East Fze  
 Tel: +9716 52 62 516 Fax: +97165262517  
[www.nordencommunication.com](http://www.nordencommunication.com)  
 Hamriyah Free Zone, Sharjah, UAE

From: ENG. ALI JAMOUS

COMMENDATION

Here of this letter with our company **NANO NETWORKING SYSTEMS** which used **NORDEN**

**COMMUNICATION PRODUCTS** confirmed that *the NORDEN COMMUNICATION products* is successfully installed, tested and commissioned for each of its projects.

With this we here of testify and noted that Norden Communication Brand is highly recommended for any projects related to the systems and project of companies which it cater.

Moreover in success of the project *Higher College of Technology (SHARIAH)* where Norden Products was used -is a proof that the Brand of Norden is eminent and highly valuable to its market and to the society.

With all the commitment the company offered as they go with us in our project .Our company commends and recommend Norden Communication Products.

Noted:

Authority here of Signed: MR/MS:

ALI JAMOUS

Project Manager



Tel: +9716 52 62 516

Fax: +9716 5262517

Email: [info@norden.com](mailto:info@norden.com)Email: [www@norden.com](mailto:www@norden.com)[www.norden.com](http://www.norden.com)



الشركة السعودية لإنتاج غرف التبريد  
Coldstores Group of Saudi Arabia

Date : 12<sup>th</sup> May 2011

Ref : New Office / Factory Building in Khalidiya-Dammam

**Commendation!**

To: **Norden Communication Middle East Fze**

Tel: +9716 52 62 516 Fax: +97165262517

[www.nordencommunication.com](http://www.nordencommunication.com)

Hamriyah Free Zone, Sharjah, UAE

Hereby declare that our company, **M/s. Coldstores Group of Saudi Arabia, Dammam**, which used NORDEN COMMUNICATION PRODUCTS, confirmed that **the NORDEN COMMUNICATION products** is effectively installed, tested and commissioned for each of its products with its project.

**Noted:** that Norden Communication Brand is highly recommended for any projects related to the systems and project of companies which it cater.

Moreover the project **New Office / Factory Building in Khalidiya – Dammam**, where Norden Products was used, was a success.

**Certified** that the Brand of Norden is eminent and highly valuable to its market clientele.

For and on Behalf of

**Cold stores Group of Saudi Arabia**

**Abdul Riyas**

IT Administrator



C.R. No 2050021821  
DAMMAM 31491 - PO Box-4287  
Tel: (03) 847 1445  
Fax: (03) 847 4288  
[info@egsdmm.com](mailto:info@egsdmm.com)



ISO 9001:2000  
Certificate Number: 44724  
[www.cgs.com.sa](http://www.cgs.com.sa)

المملكة العربية السعودية - شركة ذات مسؤولية محدودة  
تسجيل تجاري رقم: ٢٠٥٠٠٢١٨٢١  
التمهيد: ٣١٤٩١ - حرات: ٤٢٨٧  
هاتف: ٠٣٠٨٤٧١٤٤٥  
فاكس: ٠٣٠٨٤٧٤٢٨٨

CGS JEDDAH سي سي اس جدة (02) 637 9020 (٠٢) ٦٣٧ ٩٠٢٠  
CGS RIYADH سي سي اس الرياض (01) 265 0990 (٠١) ٢٦٥ ٠٩٩٠  
CGS KUWAIT سي سي اس الكويت +965 475 0826 +٩٦٥ ٤٧٥ ٠٨٢٦  
CGS BAHRAIN سي سي اس البحرين +973 17 703 045 +٩٧٣ ١٧ ٧٠٣ ٠٤٥



25 December 2011

To: **Norden Communication Middle East Fze**  
Tel: +9716 52 62 516 Fax: +97165262517  
[www.nordencommunication.com](http://www.nordencommunication.com)  
Hamriyah Free Zone, Sharjah, UAE

From: **ALAMAL Technology**

#### COMMENDATION

Here of this letter with our company **ALAMAL Technology** which using  
NORDENCOMMUNICATION PRODUCTS

Confirmed that **the NORDEN COMMUNICATION products** is successfully installed, tested and  
commissioned for each of its projects.

With this we here of testify and noted that Norden Communication Brand is highly recommended for  
any projects related to the systems and project of companies which it cater.

Moreover in success of the project **COMMERCIAL DEVELOPMENT FOR  
MR. MOHAMMED SALEM SALMEEN SHUOT AL SHAMSI** where Norden Products was used.

proof that the Brand of Norden is eminent and highly valuable to its market and to the society .

With all the commitment the company offered as they go with us in our project .Our company  
commends and recommend Norden Communication Products.

Noted:

Authority here of Signed: MR:

Tel.:+971-2-4910441 Fax: +971-2-6397551 P.O BOX 25810 Abu Dhabi – UAE  
[info@alamaltech.com](mailto:info@alamaltech.com)





25 December 2011

To: **Norden Communication Middle East Fze**  
Tel: +9716 52 62 516 Fax: +97165262517  
[www.nordencommunication.com](http://www.nordencommunication.com)  
Hamriyah Free Zone, Sharjah, UAE

From: **ALAMAL Technology**

#### COMMENDATION

Here of this letter with our company **ALAMAL Technology** which using  
NORDENCOMMUNICATION PRODUCTS

Confirmed that *the NORDEN COMMUNICATION products* is successfully installed, tested and  
commissioned for each of its projects.

With this we here of testify and noted that Norden Communication Brand is highly recommended for  
any projects related to the systems and project of companies which it cater.

Moreover in success of the project **National Bank of Abu Dhabi** where Norden Products was used .

proof that the Brand of Norden is eminent and highly valuable to its market and to the society .

With all the commitment the company offered as they go with us in our project .Our company  
commends and recommend Norden Communication Products.

Noted:

Authority here of Signed: MR:

Tel.: +971-2-4910441 Fax: +971-2-6397551 P.O.BOX 25810 Abu Dhabi – UAE  
[info@alamaltech.com](mailto:info@alamaltech.com)



عبر الإمارات لانظمة  
Trans Emirates Systems

24<sup>th</sup> July 2014

Abu Dhabi

To,

Norden Communication Middle East Fze,

P.O. Box: 341072. DSO, Dubai, U.A.E.

Tel: 971 4-3926391 Fax: 9714- 3926395

**To Whomsoever It Concerns**

We recommend NORDEN COMMUNICATION products were successfully installed, tested and commissioned for the following projects.

**Al Hilal Bank Project- Abu Dhabi**

We have used Cat 6A solution as well as SM Fiber connectivity for the project.

I appreciate the commitment ,quality and the timely delivery of products that the Norden team has shown on this project.

With this we hereby testify and note that Norden Communications is highly recommended by us for any future projects related to the structured cabling systems.

Thanks and Regards,



Trans Emirates Systems

**Hardware, Networking, Software, Webdesigning, Multimedia.**

P.O. Box : 45958  
Abu Dhabi - United Arab Emirates  
Website : [www.transemirates.com](http://www.transemirates.com)

Tel. : +971 2 6277454  
Fax : +971 2 6277458  
E-mail : [transem@emirates.net.ae](mailto:transem@emirates.net.ae)





مشروع خادم الحرمين الشريفين الملك عبد الله بن عبد العزيز لتوسعة  
المطاف  
Project of the Custodian of two Holy Mosques  
King Abdullah Bin Abd AL-Aziz for Mataf Extension

مجموعة بن لادن السعودية  
SAUDI BINLADIN GROUP  
PUBLIC BUILDINGS & AIRPORTS  
المباني العامة والمطارات

### MEMO

Page : 1 of

Ref. # : EM/ST/14/718

Date : 07<sup>th</sup> July 2014

**To :** **Engr. Ahmed Baha'a Al Deen**  
Contracts & Procurement Manager

**Cc:** *Engr. Abdul Latif Saleh*  
Project Director

**From :** **Engr. Ahmad Alassi**  
Project Manager  
E/M & Network Diversion

**Subject :** **TELEPHONE CABLE**

With reference to our previous letter IMC/SP/14/093 and related P.O # 13237 issue to multibase, as the mentioned cables is not approved by DAR.

You are kindly requested to issue the P.O to M/s Norden reference to attached RFI-LC-0026 as approved.

Your prompt action for the above would be highly appreciated.

Best regards,

**Engr. Ahmad Alassi**  
Project Manager  
E/M & Network Diversion



شركة ذات مسئولية محدودة. س.ت: 001/4030068284 - رأس مال: 220.000.000 ريال سعودي  
ص.ب: 9887 ، جدة ، 21423 ، المملكة العربية السعودية - هاتف: 6400004 - فاكس: 6404368  
Limited Liability Co. - C.R. NO.: 4030068284/001 - Capital: 220.000.000 Saudi Riyals  
P.O. Box 9887, Jeddah 21423, Saudi Arabia- Tel.: 6404368



PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

SNO.	PROJECTS	COUNTRY	CLIENTS
1	UAE ARMED FORCES PROJECT-11121-C001 (Different Facility @ Liwa Airbase)	ABU DHABI , U.A.E	
2	UAE ARMED FORCES PROJECT NO. MW-NF-511-2007	ABU DHABI , U.A.E	
3	UAE ARMED FORCES PROJECT NO. MW-NF-419-2007	ABU DHABI , U.A.E	
4	UAE ARMED FORCES PROJECT NO. MW-NF-101-2007	ABU DHABI , U.A.E	
5	UAE ARMED FORCES PROJECT NO. MW-GF-434-2007	ABU DHABI , U.A.E	
6	UAE ARMED FORCES PROJECT NO. 11035	ABU DHABI , U.A.E	
7	UAE ARMED FORCES PROJECT NO. 10068	ABU DHABI , U.A.E	
8	UAE ARMED FORCES PROJECT NO. 11039	ABU DHABI , U.A.E	
9	UAE ARMED FORCES PROJECT NO. 10098 (DIFFERENT FACILITIES @ZAYED MILITARY CITY	ABU DHABI , U.A.E	
10	UAE ARMED FORCES - AL HAMRA (CMW-11006-C002)	ABU DHABI , U.A.E	
11	UAE ARMED FORCES - ABUDHABI AIR BASE (MW-OU-167-2010)	ABU DHABI , U.A.E	
12	UAE ARMED FORCES - AL DHAFRA AIR BASE MU-O85-2010	ABU DHABI , U.A.E	
13	UAE ARMED FORCES - SWEIHAN D5-057-2010	ABU DHABI , U.A.E	
14	UAE ARMED FORCES - MALEHA CAMP	SHARJAH, U.A.E	
15	UAE ARMED FORCES - ZAYED MILITARY CITY	ABU DHABI , U.A.E	
16	UAE ARMED FORCES - CMW-1117-C001	SHARJAH, U.A.E	
17	UAE ARMED FORCES- CMW-10043-C002	ABU DHABI , U.A.E	
18	UAE ARMED FORCES- RAK MILITARY CAMP	RAK, U.A.E	
19	UAE ARMED FORCES-CMW-09003-C007	ABU DHABI , U.A.E	





PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

20	UAE ARMED FORCES- CMW-11021	ABU DHABI , U.A.E	
21	ADNOC FERTIL NEW ADMINISTRATION BUILDING. PROJECT NO.6030	RUWAIS -ABU DHABI , U.A.E	
22	ADNOC DISTRIBUTION - CONSTRUCTION OF VEHICLE INSPECTION LANES IN GAYATHI & LIWA SERVICE STATIONS. PROJECT NO.12003	ABU DHABI , U.A.E	
23	MARINE STATIONS- 20 FILLING STATIONS(WESTERN AND EASTERN REGION)	ABU DHABI , U.A.E	
24	ADNOC- FLY CAMPS FOR NDC AT BIDA AL OSHANAH .PROJECT NO.6051	RUWAIS -ABU DHABI , U.A.E	
25	GLENELG SCHOOL	RUWAIS -ABU DHABI , U.A.E	
26	RUWAIS FERTILIZER INDUSTRIES (FERTIL)-SHEIKH KHALIFA ENERGY COMPLEX	ABU DHABI, UAE	
27	TAKREER - UM AL NAR REFINARY (TENDER NO.09ARMTA10576)	ABU DHABI , U.A.E	
28	TAKREER- CONSTRUCTION OF LOCKERS ROOM IN BAAET RUWAIS REFINARY . PROJECT NO.11RRDR10766	ABU DHABI , U.A.E	
29	GASCO - HABSHAN	ABU DHABI , U.A.E	
30	STATISTIC CENTER (SCAD)	ABU DHABI , U.A.E	
31	ABU DHABI SHIP BUILDING ( ADSB )	ABU DHABI , U.A.E	
32	FEDERAL AUTHORITY FOR NUCLEAR REGULATION	ABU DHABI , U.A.E	
33	ABUDHABI COUNTRY CLUB	ABU DHABI , U.A.E	
34	HONEY WELL	ABU DHABI , U.A.E	



PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

35	NATIONAL BEAURO OF STATISTICS (NBOS)	ABU DHABI , U.A.E	
36	SHEIKH KHALIFA MEDICAL CITY (SKMC)	ABU DHABI , U.A.E	
37	ABU DHABI INVESTMENT AUTHORITY (ADIA)	ABU DHABI , U.A.E	
38	MINISTRY OF HEALTH (MOH)	ABU DHABI , U.A.E	
39	NATIONAL DRILLING CO. (NDC) MADINAT ZAYED	ABU DHABI , U.A.E	
40	NATIONAL DRILLING CO. (NDC) HABSHAN	ABU DHABI , U.A.E	
41	MANAZEL	ABU DHABI , U.A.E	
42	ABU DHABI COOPERATIVE SOCIETY	ABU DHABI , U.A.E	
43	CROWN PRINCE PALACE AT FAG AL MOLLA	SHARJAH, U.A.E	
44	ZAKER PALACE	AL AIN , U.A.E	
45	GRAND CONTINENTAL FLAMMINGO HOTEL	ABU DHABI , U.A.E	
46	AEROSPACE	ABU DHABI , U.A.E	
47	ARKAN	ABU DHABI , U.A.E	
48	DEPT OF ECONOMIC DEVELOPMENT	ABU DHABI , U.A.E	
49	SHEIKH ZAYED GRAND MOSQUE	ABU DHABI , U.A.E	
50	OFFICES IN YAS MARINA	ABU DHABI , U.A.E	



PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

51	AL FAHIM- NEW MERCEDES BENZ SHOWROOM	ABU DHABI , U.A.E	
52	JUMEIRAH BEACH HOUSES	DUBAI , U.A.E	
53	JUMEIRAH VILLAGE	DUBAI , U.A.E	
54	MAZAYED MALL -OFFICES	ABU DHABI , U.A.E	
55	ABU DHABI EXCHANGE	ABU DHABI , U.A.E	
56	EMIRATI HOUSING COMMUNITY YAS ISLAND - 101 VILLAS	ABU DHABI , U.A.E	
57	C4AS HEAD QUARTERS WITH ELITE DESIGNS	ABU DHABI , U.A.E	
58	AL RAHA BEACH HOTEL EXTN.	ABU DHABI , U.A.E	
59	GRAND MILL- ABUDHABI	ABU DHABI , U.A.E	
60	AD POLICE COLLEGE	ABU DHABI , U.A.E	
61	AD POLICE CAR PARK	ABU DHABI , U.A.E	
62	AL AIN EQUESTRIAN CLUB	ABU DHABI , U.A.E	
63	AL AIN GOLF & SHOOTING CLUB	ABU DHABI , U.A.E	
64	TWO FOUR 54 TOWERS	ABU DHABI , U.A.E	



PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

65	AL AIN UNIVERSITY	ABU DHABI , U.A.E	
66	EMIRATES ADVANCED INVESTMENT GROUP - HQ	ABU DHABI , U.A.E	
67	ABU DHABI AIR CRAFT	ABU DHABI , U.A.E	
68	AL JAZEERA CLUB OFFICES	ABU DHABI , U.A.E	
69	ADMA OFFICE	ABU DHABI , U.A.E	
70	AL THORATH ENGINEERING CONSULTANT OFFICE BLDG	ABU DHABI , U.A.E	
71	INSTITUTE OF APPLIED TECHNOLOGY	ABU DHABI , U.A.E	
72	GLOBAL VILLAGE	DUBAI , U.A.E	
73	EGYPT EMBASSY	ABU DHABI , U.A.E	
74	AL HILAL BANK- BANIYAS MALL	ABU DHABI , U.A.E	
75	DELUXE OFFICE BLDG FOR ABUDHABI HOLDING CO.	ABU DHABI , U.A.E	
76	COMMERCIAL BLDG FOR AL FARAA GROUP	ABU DHABI , U.A.E	





PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

77	ABU DHABI FINANCE HOUSE	ABU DHABI , U.A.E	
78	ITTIHAD INVESTMENT	ABU DHABI , U.A.E	
79	MAWAQIF (ABUDHABI PARKING)	ABU DHABI , U.A.E	
80	SHOPPING MALL OF AL QUOZ PLOT NO. 359,141 INDUSTRIAL 4 ,AL QUOZ	DUBAI , U.A.E	
81	GATEWAY PROJECT- AL-KHAIL CENTER	DUBAI , U.A.E	
82	B+G+2+ROOF SHOW ROOM AT ALQUOZ DUBAI	DUBAI , U.A.E	
83	EMIRATES ALUMINUM (EMAL)	DUBAI , U.A.E	
84	MEYDAN	DUBAI , U.A.E	
85	BOROUGE - OFFSITES	ABU DHABI , U.A.E	
86	TNS OFFICE BLDG	DUBAI , U.A.E	
87	AL FATTAN -PALM JUMEIRAH HOTEL	DUBAI , U.A.E	
88	MADINA MALL	DUBAI , U.A.E	
89	LE MERIDIEN HOTEL	DUBAI , U.A.E	



PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

90	AL NASSER HEAD QUARTERS	ABU DHABI , U.A.E	
91	Al Ahli Bank of KUWAIT DEIRA BULDING	DUBAI , U.A.E	
92	CIVIL AVIATION CLUBHOTEL	DUBAI , U.A.E	
93	TECHNIP NEW HEAD QUARTERS	ABU DHABI , U.A.E	
94	AL KHAIL MALL	DUBAI , U.A.E	
95	DUBAL	DUBAI , U.A.E	
96	AL MAKTOUM INTERNATIONAL AIRPORT	DUBAI , U.A.E	
97	SHARJAH UNIVERSITY	SHARJAH, U.A.E	
98	MINISTRY OF INTERIOR,EWAN Project	ABU DHABI , U.A.E	
99	MINISTRY OF JUSTICE((Kalba, Dibba)	Sharjah,FUJAIRAH, UAE	
100	EMIRATES PALACE	ABU DHABI , U.A.E	
101	ENDRESS and HAUSER	Mazayed Mall,ABU DHABI , U.A.E	 Endress+Hauser People for Process Automation



PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

102	ABU DHABI COUNTRY CLUB	ABU DHABI, UAE	 نادي أبو ظبي الرياضي Abu Dhabi Country Club
103	MINISTRY OF AWKAAF AND ISLAMIC AFFAIRS	DOHA STATE OF QATAR	
104	AL FOAH DATE FACTORY, 7 LOCATIONS	Al Ain, Fujairah, Mirfa, Gayathi U.A.E.	 الفوحاء ALFOAH DATE FACTORY
105	10 X KINDERGARDEN TEHOOLT PROJECT	DUBAI , U.A.E	
106	SHEIKH KHALIFA BIN ZAYED BANGLADESH ISLAMIA PVT. SCHOOL	Abu Dhabi,UAE	
107	ISLAM WEB	DOHA STATE OF QATAR	
108	CHEVRON	DOHA STATE OF QATAR	
109	WINTERSHALL	DOHA STATE OF QATAR	
110	PEARL QATAR	DOHA STATE OF QATAR	
111	SERVCORP	DOHA STATE OF QATAR	
112	TOTAL	DOHA STATE OF QATAR	



PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

113	GULF HELICOPTORS	DOHA STATE OF QATAR	
114	BARZAN CAMP PHASE 1 .TOWER AT WAJBA	DOHA STATE OF QATAR	
115	EKIN	DOHA STATE OF QATAR	
116	ROOTS	DOHA STATE OF QATAR	
117	TEKEYEF	DOHA STATE OF QATAR	
118	QRTC	DOHA STATE OF QATAR	
119	DAEWOO	DOHA STATE OF QATAR	
120	HWTC	DOHA STATE OF QATAR	
121	CIS QATAR	DOHA STATE OF QATAR	
122	QATAR GLASS	DOHA STATE OF QATAR	
123	QATAR FOUNDATION CABINS 8 & 9	DOHA STATE OF QATAR	
124	BARWHA-AL KHOR	DOHA STATE OF QATAR	





PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

125	NOKIA AND SIEMENS NETWORK : NSN QATAR INSTALLATION OF DATA AND NETWORKING PRODUCTS	DOHA STATE OF QATAR	
126	MCC-WHJA1555 : GRAND HYATT HOTEL	DOHA STATE OF QATAR	
127	THE GATE DEVELOPMENT -MAN WORKS	DOHA STATE OF QATAR	
128	SHAHBAZ AIR BASE	PAKISTAN	
129	PAKISTAN AIR FORCE SHABAZ ,AIRBASE JACOBABAL	PAKISTAN	
130	SALMAN AL KHALIFA CUSTOMS PORT	KUWAIT	
131	CGS OFFICE BLDG	DAMMAM, SAUDI ARABIA	
132	ALLIED BANK	LAHORE , PAKISTAN	
133	IBRAHIM MALIK HOSPITAL	KHARTOUM, SUDAN	
134	EXPERT BANK DEVELOPMENT	KHARTOUM, SUDAN	
135	QATAR AIRWAYS	KHARTOUM, SUDAN	
136	ERICSSON	KHARTOUM, SUDAN	
137	ICQ TRAINING CENTER	KHARTOUM, SUDAN	
138	MILITARY HOSPITAL	KHARTOUM, SUDAN	
139	NOBLES GROUP	KHARTOUM, SUDAN	



## PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

140	ELSEREF	KHARTOUM, SUDAN	
141	MTN	KAMBALA , UGANDA	
142	ORANGE TELECOM	KAMBALA , UGANDA	
143	10 X KINDERGARTEN SCHOOL PROJECT	DOHA STATE OF QATAR	ASHGHAL (BUILDING AFFAIRS)
144	AL KHOR HOUSING PROJECT PACKAGE -5	DOHA STATE OF QATAR	QATAR REAL ESTATE INVESTMENT CO.
145	WOOD WOQOD PETROL STATION AT DAAYEN (LUSAIL)	DOHA STATE OF QATAR	
146	AL UDEID AIRBASE, QATAR	DOHA STATE OF QATAR	
147	MAIN BUILDING, KG2 BUILNG, CANTEEN GUARD HOUSE AND EXTERNAL	DOHA STATE OF QATAR	
148	7 SCHOOLS AROUND DOHA AND IN VILLAGES	DOHA STATE OF QATAR	PUBLIC WORKS AUTHORITY/BUILDING AFFAIRS
149	KING HUSSEIN INTERNATIONAL AIRPORT ROADS & TERMINAL	JORDAN	
150	SAADIYAT ISLAND	Abu Dhabi,UAE	
151	Oman Civil Defence	Oman	Oman Civil Defence
152	Pacific	DOHA STATE OF QATAR	
153	Benton	DOHA STATE OF QATAR	
154	WILDE	DOHA STATE OF QATAR	
155	Ministry of Educational School - Falaj Al Sadreen	Soor, Oman	
156	Ministry of Educational School - Haat	Nizwa, Oman	







PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

157	Assistant Under Secretaries Buildings for MOI	Subhan, Kuwait	 State of Kuwait Ministry of Interior
158	Gravity Tower	Kuwait City	
159	M.H. Al Shaya Head Office	Shuwaikh, Kuwait	
160	Al Shaya Warehouse (new) at Mina Abdullah	Kuwait	
161	AL RASHID GROUP	Bahrain	
162	Sport Hall & Swimming Pool, Al Aweer	DUBAI , U.A.E	
163	IAT Wireless Project, Fatma College, Al mafraq	Abudhabi, UAE	
164	School Renovation Wakra	Al Wakra, Doha Qatar	
165	ZAYED MILITARY HOSPITAL	ABU DHABI, UAE	 Zayed Military Hospital -
166	MASFOUT GENERAL HOSPITAL	Ajman, UAE	
167	KPMG Office-Level 13, Emaar Boulevard Plaza	Dubai, UAE	
168	ZADCO Plaza	Abu Dhabi, UAE	
169	Al Jaber Group	Abu Dhabi, UAE	
170	Buteen Palace, Taweelah	Abu Dhabi, UAE	



PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

171	Computer College , Dubai	Dubai,UAE	
172	MBD	Oman	
173	Al Hicma Private School	Oman	
174	RAK Wedding Hall	Ras Al Khaimah,UAE	
175	Al Bara'a Bin Azab Boys prep School, Qafifa	Oman	
176	DA-Desk	SHARJAH, U.A.E	
177	Sheikh Hamdan Awards Office	Dubai, UAE	
178	Falag Al Moala Palace	Dhaid, Sharjah,UAE	
179	Abdullah Bin Zaid Basic School, Muscat	Muscat, Oman	
180	Tilal Complex	Muscat, Oman	
181	Al Ayoun Boys School	Sinaw Mudhaibi, Oman	
182	Jumeirah Retail Development	Dubai,UAE	
183	Royal Opera House, Beach One project	Muscat, Oman	





PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

184	Ibn Battuta Mall Extension	Dubai, UAE	
185	Qatar Racing and Equestrian Club	Qatar	
186	Qatar Development Bank, Farjan Market	Qatar	
187	Qutaiba Bin Muslim Boys School	Oman	
188	HEDINGTON PLAZA HOTEL	RUWI, MUSCAT, OMAN	
189	WILHELMESEL SHIP SERVICES-TOWEL BARWILL CO. LLC	RUWI, MUSCAT, OMAN	
190	OMAN AIRPORT TTTF (APPROVED FOR SALALAH & OMAN AIRPORT)	OMAN	
191	SHAHA HOTEL	MUSCAT, OMAN	
192	OMAN ELECTRICITY TRANSMISSION COMPANY	RUWI, MUSCAT, OMAN	
193	MINISTRY OF MANPOWER - VTC SUR PROJECT	RUWI, MUSCAT, OMAN	
194	SCHOOLS AT FALAJ AL SADEREEN	DHAHIRA SOUTH, OMAN	MINISTRY OF EDUCATION - OMAN
195	SCHOOLS AT HAAT MIXED BASIC	WILAYAT AL RUSTAQ, OMAN	MINISTRY OF EDUCATION - OMAN



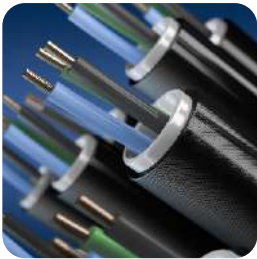
PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

196	SCHOOLS AT AL AYOUN BOYS SCHOOL	SINAW WILAYAT AL MUDHAIBI, SHARQIYA NORTH REGION, OMAN	MINISTRY OF EDUCATION - OMAN
197	SCHOOLS AT QUTAIBA BIN MUSLIM BOYS BASIC EDUCATION SCHOOL	AL KAMIL, WILAYAT AL KAMIL AL WAFI, OMAN	MINISTRY OF EDUCATION - OMAN
198	SCHOOLS AT AL BARA'A BIN AZEB BOYS PREPARATORY SCHOOL	QAFIFA, IBRA, OMAN	MINISTRY OF EDUCATION - OMAN
199	ABDULLAH BIN ZAID BOYS BASIC EDUCATION SCHOOL	WILAYAT IBRA, OMAN	MINISTRY OF EDUCATION - OMAN
200	FATHIMA BINT QAIZ GIRLS EDUCATION SCHOOL	IBRI, DHAHIRA GOVERNORATE	MINISTRY OF EDUCATION - OMAN
201	GIRLS BASIC EDUCATION SCHOOL	QALHAT SUR, OMAN	MINISTRY OF EDUCATION - OMAN
202	ABU DHABI MUNICIPALITY-ALWATHBA ACCOMODATION	RUWAIS, ABU DHABI	ALWATHBA MUNICIPALITY
203	ROYAL SAUDI AIRFORCE	DAMMAM, SAUDI ARABIA	
204	ZAMIL GROUP	DAMMAM, SAUDI ARABIA	
205	SAUDI STEEL PIPE FACTORY	2ND INDUSTRIAL AREA, SAUDI ARABIA	
206	SPECIALISED MEDICAL CENTER HOSPITAL	RIYADH, SAUDI ARABIA	
207	COLD STORES GROUP	DAMMAM, SAUDI ARABIA	
208	AL QASSIM UNIVERSITY	QASSIM, SAUDI ARABIA	



## PROJECTS COMPLETED BY NORDEN IN MIDDLE EAST, ASIA AND AFRICAN REGIONS

209	GULF RESEARCH CENTER	DAMMAM, SAUDI ARABIA	
210	SAUDI NATIONAL GUARD	DAMMAM, SAUDI ARABIA	
211	GHAZAWI MALL	DAMMAM, SAUDI ARABIA	
212	PERL COMPOUND (16 BUILDINGS)	DAMMAM, SAUDI ARABIA	
213	MINISTRY OF FOREIGN AFFAIRS	RIYADH, SAUDI ARABIA	
214	JEDDAH CAR PARKING	DAMMAM, SAUDI ARABIA	
215	RAWABI HOLDING	DAMMAM, SAUDI ARABIA	
216	BATTAYOUR TOWER	DAMMAM, SAUDI ARABIA	
217	AL AMOUDI GROUP .HQ	JEDDAH, SAUDI ARABIA	
218	Scado	DAMMAM, SAUDI ARABIA	
219	AECOM Consultants	DAMMAM, SAUDI ARABIA	
220	Business Avenue Tower, Indian Government	Abu Dhabi, UAE	
221	Ajyal International School	Mohammad Bin Zayed City, Abu Dhabi	
222	Al Basma British School	Abu Dhabi, UAE	
223	Horizon-Private-school	Khalifa City, Abu Dhabi	
224	A Maharat School	Khalifa City, Abu Dhabi	
225	Business Avenue Tower, Indian Government	Abu Dhabi, UAE	
226	Faisaliyah tower	Saudi Arabia	



**NORDEN COMMUNICATION UK LTD**  
13 Baker Close, Oakwood Business park  
Clacton-On-Sea, Essex CO15 4BD  
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