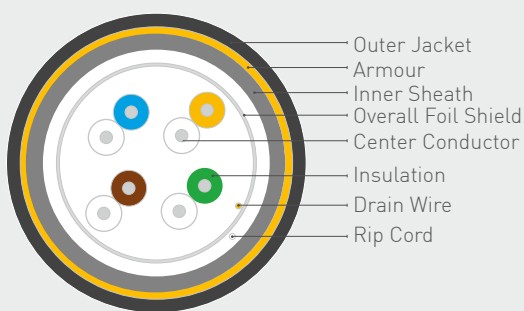
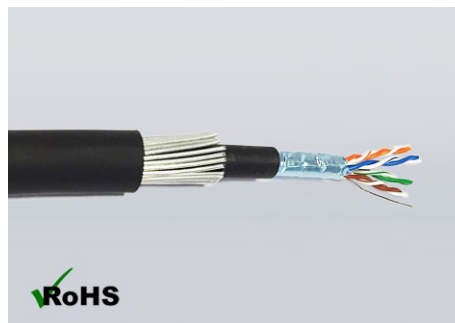


CAT 6 F/UTP 4 PAIR 23 AWG GALVANIZED IRON WIRE ARMoured CABLE LSZH

Norden Category 6 S/FTP armoured cables exceed Category 6 / Class E specification. It is tested to 250MHz frequency range and designed to support 1000Base-T and 1000Base-Tx applications. Extremely high pair-balance providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to S/FTP (Shielded Twisted Pair) cabling systems. Cat 6 S/FTP armoured Cable Consists of PE Insulated 23AWG Solid Bare Annealed Copper Conductors, twisted 4 pair stranded, ECCS tape Armour, PVC Inner sheath and PE (UV Stabilized) Outer sheath.



COMPLIANCE

IEEE 802.3an :2006 (10GBASE-T)
ANSI/TIA-568.2-D Category 6
ISO/IEC-11801, 2nd Edition Class E
IEC 61156-5:2002 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 | SFS PE |
| Insulation O.D. | 1.33 mm nom. |
| Conductor Unit Identification | Solid/Stripe |
| Colour Code | Per TIA/EIA 568-B |
| Overall Shield Design | 100 % Coverage |
| Overall Foil Shield | Yes |
| Overall Shield Material | Aluminium/Polyester Foil |
| Overall Drain-Wire Material | Tinned Copper |
| Overall Drain-Wire Size | 0.41 mm |
| Overall Drain-Wire Construction | Solid |
| Total number of Wires | 8 |
| Inner Sheath Material | LSZH |
| Inner Sheath Thickness | 0.80±0.2 mm |
| Armored Material | Galvanized Iron Wire |
| Outer Jacket Material | FR-LSZH |
| Outer Jacket Thickness | 1.1±0.4 mm |
| Outer Jacket Diameter | 11.2±1.0 mm |
| Rip Cord | Yes |
| Outer Jacket Colour | Per Requirement |
| Marking | Per Requirement |

CAT 6 F/UTP 4 PAIR 23 AWG GALVANIZED IRON WIRE ARMoured CABLE LSZH

ELECTRICAL & MECHANICAL CHARACTERISTICS

| | |
|------------------------------------|--|
| Frequency Range | 1 - 250 MHz |
| Impedance | 100 Ω |
| Coupling Attenuation | 85 dB min @ 30-100 MHz 85-20Log (f/100) @100-250 MHz |
| DC Resistance | 73 Ω/km nom. |
| Max. Resistance Unbalance | 4 % |
| Capacitance | 5.6 nF/100m max. |
| Capacitance Unbalance | 3.3 pF/m max. |
| Velocity of Propagation | 80 % nom. |
| Propagation Delay Skew | 25 ns/100m max. |
| Dielectric Strength | 1.5 KV/minute |
| Dielectric Strength to Shield | 1.5 KV/minute |
| Min. Insulation Resistance | 5 GΩ•km |
| Max. Tensile Strength - Short Term | 130 N |
| Min. Bend Radius | 50 mm |
| Operating Temperature Range | -20 °C +60 °C |

TRANSMISSION PERFORMANCE

Electrical Characteristics meet or exceed 70 Meter TIA Cat 6 Channel Spec.

| Freq. MHz | Attenuation dB/100m @ 20°C | NEXT dB | PSNEXT dB | RL dB | ELFEXT dB | PSELFEXT dB |
|-----------|----------------------------|---------|-----------|-------|-----------|-------------|
| 1 | 2.0 | 80.0 | 78.0 | 27.0 | 81.8 | 77.8 |
| 4 | 3.8 | 75.0 | 72.8 | 30.0 | 76.8 | 73.8 |
| 10 | 6.0 | 71.0 | 69.0 | 30.0 | 70.0 | 67.8 |
| 20 | 8.5 | 62.0 | 60.2 | 30.0 | 58.8 | 55.8 |
| 31.25 | 10.4 | 60.9 | 58.9 | 28.6 | 56.8 | 53.3 |
| 100 | 19.8 | 54.0 | 52.0 | 26.0 | 47.8 | 44.8 |
| 150 | 24.7 | 50.7 | 48.7 | 25.1 | 43.3 | 40.3 |
| 200 | 29.0 | 48.1 | 46.1 | 23.8 | 38.8 | 35.8 |
| 250 | 32.8 | 46.3 | 44.3 | 22.0 | 36.8 | 33.8 |

ORDERING INFORMATION

| Part Number | Description | Standard Length |
|---------------|--|-----------------|
| 113-20622204X | Cat 6 F/UTP 4 Pair 23 AWG Galvanized Iron Wire Armoured Cable LSZH | 305 mtr |

X: BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)

PACKING INFORMATION

| Part Number | Packing Mode | N.W (kg) | G.W (kg) | Dimension (mm) |
|---------------|------------------|----------|----------|-----------------|
| 113-20622204X | Plywood Reel/Ctn | 25.0 | 27.0 | 420 x 420 x 260 |