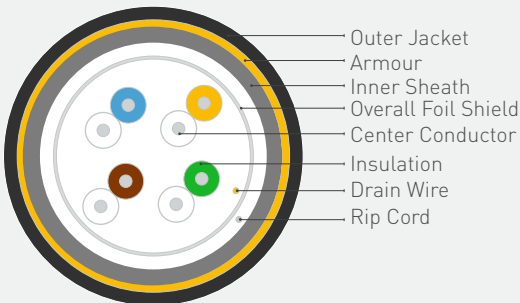
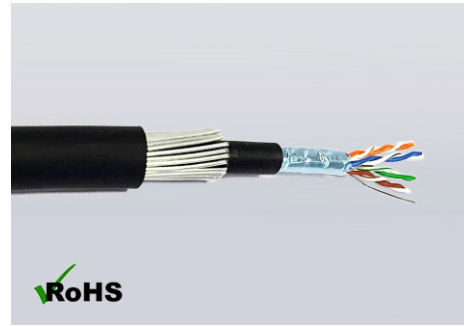


CAT 6A F/UTP 4 PAIR 23 AWG DOUBLE JACKET GALVANIZED IRON WIRE ARMoured CABLE

Norden Category 6A F/UTP Galvanized Iron Armoured cables exceed Category 6A/ Class EA Specification. It is tested to 250 MHz frequency range and designed to support 10 Gigabyte and External applications. Extremely high pair-balance providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to F/UTP cabling systems. F/UTP (Twisted Pair - overall Foil shield) cabling systems are installed for improved Alien Cross talk performance.



COMPLIANCE

IEEE 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

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Solid Bare Electrolytic Grade Copper
Conductor Size	0.57 mm, 23 AWG
Conductor Construction	Solid
Insulation Material	Polyolefin
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 Foil
Overall Drain-Wire Material	Annealed Tinned Copper
Overall Drain-Wire Construction	Solid
Total number of Wires	8
Inner Sheath Material	LDPE
Armoured Material	Galvanized Iron Armour
Armouring Thickness	0.6mm
Outer Jacket Material	HDPE
Outer Jacket Diameter	9.80 ± 0.50 mm
Rip Cord	Yes
Outer Jacket Colour	Per Requirement
Marking	Per Requirement

CAT 6A F/UTP 4 PAIR 23 AWG DOUBLE JACKET GALVANIZED IRON WIRE ARMoured CABLE

ELECTRICAL & MECHANICAL CHARACTERISTICS

Frequency Range	1 - 500 MHz
Impedance	100 ± 15% Ohms
DC Resistance	Max. 93.8 @20°C Ohm/km
Max. Resistance Unbalance	Max. 5 %
Capacitance	Max. 5.6 nf/100 mtr
Capacitance Unbalance	Max. 330 pf/100 mtr
Velocity of Propagation	69 %
Propagation Delay Skew	45 ns/100 mtr
Dielectric Strength	1.5 KV/minute
Dielectric Strength to Shield	1.5 KV/minute
Min. Insulation Resistance	5 GΩkm
Max. Tensile Strength - Short Term	130 N
Min. Bend Radius	50 mm
Operating Temperature Range	- 15 °C to + 70 °C

TRANSMISSION PERFORMANCE

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

Freq. MHz	ATT (dB/100m) max	NEXT (dB) min.	PS.NEXT (dB) min.	ACRF (dB@100m)min.	PS.ACRF (dB@100m) min.	Return Loss (dB/100m)
1	2.3	65	62	63.3	60.3	19
4	4.2	63	60.5	51.2	48.2	19
8	5.8	58.2	55.6	45.2	42.2	19
10	6.5	56.6	54	43.3	40.3	19
16	8.2	53.2	50.6	39.2	36.2	18
20	9.2	51.6	49	37.2	34.2	17.5
25	10.2	50	47.3	35.3	32.2	17
100	20.9	39.9	37.1	23.2	20.3	12
200	30.1	34.8	31.9	17.2	14.2	9
250	33.9	33.1	30.2	15.3	12.3	8
300	37.4	31.7	28.8	13.7	10.7	7.2
400	43.7	28.7	25.8	11.2	8.2	6
500	49.3	26.1	23.2	9.3	6.3	6

ORDERING INFORMATION

Part Number	Description	Standard Length
114-202NH204X	Category 6A F/UTP 4 Pair 23 AWG Double Jacket Galvanized Iron Wire Armoured Cable -LDPE/HDPE	305 mtr

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