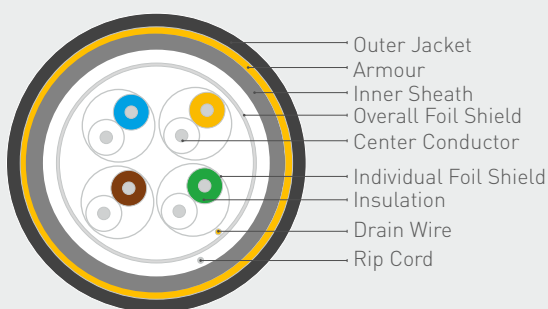
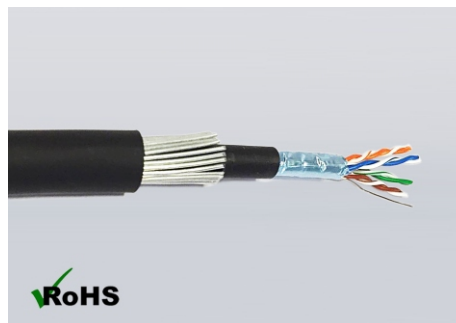


CAT 6 F/FTP 4 PAIR 23 AWG STEEL WIRE ARMoured CABLE LSZH



Norden Category 6 F/FTP Steel Wire Armoured cables exceed Category 6/ Class E 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/FTP cabling systems. F/FTP (Twisted Pair - overall and individual Foil shield)cabling systems are installed for improved Alien Cross talk performance.



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	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
In. Shield Material	Aluminium/Polyester Foil
In. Shield Design	100 % Coverage
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	Steel Wires
Outer Jacket Material	FR-LSZH
Outer Jacket Thickness	1.1±0.4 mm
Outer Jacket Diameter	11.4±1.0 mm
Rip Cord	Yes
Outer Jacket Colour	Per Requirement
Marking	Per Requirement



CAT 6 F/FTP 4 PAIR 23 AWG STEEL 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
113-20622404X	Cat 6 F/FTP 4 Pair 23 AWG Steel 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)
113-20622404X	Plywood Reel/Ctn	25.0	27.0	420 x 420 x 260

