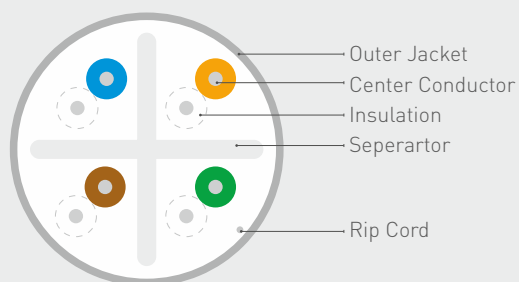
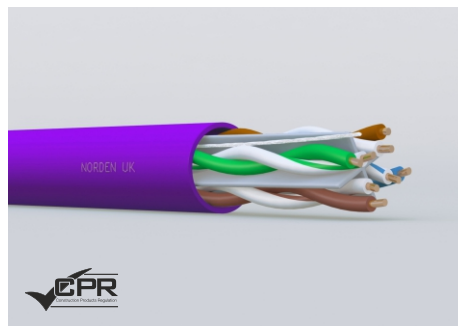


CATEGORY 6 U/UTP 23 AWG 4 PAIR CABLE LSOH

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 up to 100m. Norden Category 6 UTP cables are CPR Compliance to B2ca-s1a,d1,a1.

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.af, IEEE 802.3at for PoE applications
ANSI/TIA-568.2-D Category 6
ISO/IEC-11801, Class E / IEC 61156-5: Category 6.

CPR Compliance to B2ca-s1a,d1,a1

EN 60332-1-2:2004 +A1:2015 +A11:2016
EN 50399:2011 +A:2016
EN 61034-2:2005 +A1:2013
EN 60754-2:2014

PRODUCT CLASSIFICATION

Product Sequence	Euro Class
Product Type	Twisted Pair Cable

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	0.57mm, 23 AWG
Conductor Construction	Solid
Insulation Material	High Density PE
Insulation Diameter	1.02±0.03 mm
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Rip Cord	Yes
Outer Jacket	LSOH
Outer Jacket Thickness & Ex. Diameter	0.55±0.05 mm, 6.3±0.4 mm

ELECTRICAL & MECHANICAL CHARACTERISTICS

Impedance	100 Ω ±15
DC Resistance	73 Ω/km nom.
Max. Resistance Unbalance	4 %
Capacitance	5.6 nF/100m max.
Capacitance Unbalance	3.3 pF/m max.
Propagation Delay Skew	35 ns/100m max.
Velocity of Propagation	69 %
Min. Insulation Resistance	5 GΩ•km
Max. Tensile Strength - Short Term	110 N
Min. Bend Radius	53.6 mm
Operating Temperature Range	-10°C to +65°C

CATEGORY 6 U/UTP 23 AWG 4 PAIR CABLE LSOH

TRANSMISSION PERFORMANCE

Cat. 6 Un-screened Pair Horizontal Cables*

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEXT dB	RL dB	ELFEXT dB	PSELFEXT dB
1	1.9	87.6	82.6	28.0	85.0	80.0
4	3.5	79.2	74.2	30.0	73.0	68.0
10	5.6	73.3	68.3	29.0	65.0	60.2
20	8.4	69.1	63.8	29.0	59.0	54.0
100	18.9	58.0	53.0	25.1	45.0	40.1
150	24.0	55.2	50.7	23.8	41.8	36.9
200	26.1	53.0	48.0	22.8	39.0	33.8
250	30.0	52.6	47.6	22.0	37.8	32.8

*Supplied cables meets Cat. 6 min. transmission requirements as per IEC 61156-5 Ed. 2

ORDERING INFORMATION

Part Number	Description	Standard Length
113-10009104X	Category 6 U/UTP 23 AWG 4 Pair Cable LSOH	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)
113-10009104X	Pulley Box	12.0	13.0	400 x 400 x 220