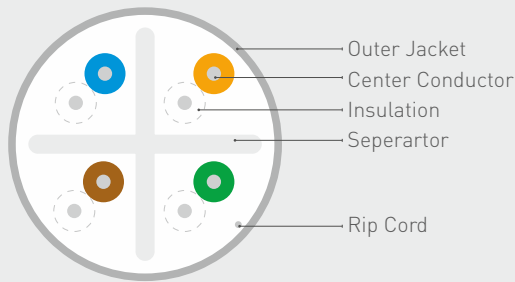
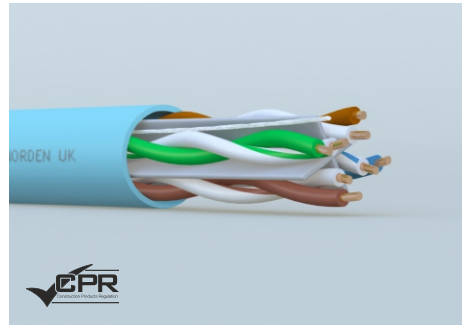


CATEGORY 6A U/UTP 23 AWG 4 PAIR CABLE LSOH

Norden Category 6A U/UTP cables exceed Category 6A/Class EA specification. It is tested to 500MHz frequency range and designed to support 10 Gigabyte applications to full 100m. Norden Category 6A 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 U/UTP (Unshielded Twisted Pair) cabling systems.



COMPLIANCE

IEEE 802.3an :2006 (10GBASE-T) ANSI/TIA-568.2-DCategory 6A ISO/IEC-11801, 2nd Edition Class EA

IEC 61156-5:2002 Category 6A

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	0.57 mm, 23 AWG
Conductor Construction	Solid
Insulation Material	HDPE
Insulation O.D.	1.03 mm nom.
Colour Code	Per TIA/EIA 568-B
Conductor Unit Lay-Up	Pairs
Total Number of Wires	8
Outer Jacket Material	LSOH
Outer jacket thickness & Ex. Diameter	0.65±0.05 mm, 6.9±0.4 mm
Outer Jacket Colour	Per requirement
Rip Cord	Yes



CATEGORY 6A U/UTP 23 AWG 4 PAIR CABLE LSOH

ELECTRICAL & MECHANICAL CHARACTERISTICS

Pulling Force	110 N/mm ² max.
Delay Skew	25 ns/100m max.
Characteristic Impedance	100±6 Ω @ 1-500 MHz
DC Resistance	72 Ω/Km max.
Resistance Unbalance	2 % max.
Capacitance	45 pF/m nom.
Cap. Unbalance (Wire to Ground)	1500 pF/Km max.
Velocity of Propagation (NVP)	67 %
Insulation Resistanc	5000 MΩ•Km min.
Transfer Impedance	N/A
Short Term Bend Radius	8 x OD mm
Long Term Bend Radius	4 x OD mm
Operating Temperature Range	-20°C to +60°C

TRANSMISSION PERFORMANCE

Cat. 6A Un-screened Pair Horizontal Cables*

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PS dB	NEXT	RL dB	ACR dB	ELFEXT dB	PSELFEXT dB
1	1.7	86.3	83.3		26.0	84.6	84.0	80.0
4	3.4	85.0	83.0		29.0	75.6	81.0	78.0
10	5.4	77.3	74.3		31.0	71.9	76.0	73.0
20	7.6	70.0	67.0		30.0	62.4	70.0	67.0
100	18.0	65.3	62.3		27.1	47.3	55.0	52.8
150	23.6	62.0	59.8		26.0	38.4	53.5	51.5
200	27.4	59.0	57.2		25.0	31.6	49.0	46.0
250	31.0	57.6	54.6		25.2	26.6	44.0	41.0
300	34.2	55.0	52.0		24.0	20.3	39.6	36.6
400	40.0	53.0	51.8		21.8	13.0	37.0	34.0
500	42.2	52.0	50.0		21.8	9.8	35.0	33.0

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

ORDERING INFORMATION

Part Number	Description	Standard Length
114-10009104X	Category 6A 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)
114-10009104X	Plywood Reel/Ctn	15.0	16.8	340 x 340 x 340