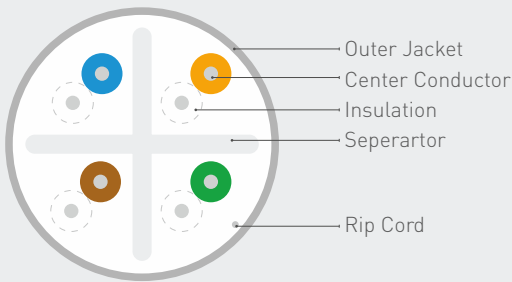
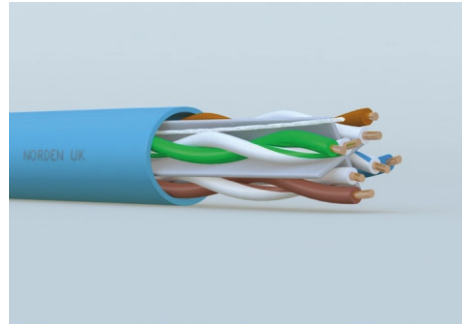


CATEGORY 6 U/UTP 23 AWG 4 PAIR CABLE

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. 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.
 LSOH: IEC 60332-1, IEC 60754, IEC 61034
 IEC60332-3-22

PRODUCT CLASSIFICATION

Product Sequence	E Series
Product Type	Twisted Pair Cable

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Insulation Material	High Density PE
Insulation Diameter	1.02 ± 0.05mm
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Rip Cord	Yes
Outer Jacket	PVC/LSOH
Outer Jacket Thickness & Ex. Diameter	0.55 ± 0.05 mm , 6.2 ± 0.4 mm



CATEGORY 6 U/UTP 23 AWG 4 PAIR CABLE

ELECTRICAL & MECHANICAL CHARACTERISTICS

Impedance	100 Ω \pm 15
DC Resistance	93.8 Ω /km
Max. Resistance Unbalance	5 %
Capacitance	5.6 nF/100m max.
Capacitance Unbalance	\leq 160pF/100m
Propagation Delay Skew	45ns/100m
Velocity of Propagation	69 %
Min. Insulation Resistance	5000 M Ω •km
Max. Tensile Strength - Short Term	110 N
Min. Bend Radius	4 x OD
Operating Temperature Range	-20°C to +75°C

TRANSMISSION PERFORMANCE

Cat. 6 Un-screened Pair Horizontal Cables*

Frequency (Mhz)	Attenuation (20°C) \leq dB	NEXT \geq dB	PHASE DELAY \leq ns	PSNEXT \geq dB	ELFEXT \geq dB	PSELFEXT \geq dB	RL \geq dB
1	2.03	74.3	570	72.3	67.8	64.8	20
4	3.78	65.3	552	63.3	55.8	52.8	23
8	5.32	60.8	546.73	58.8	49.7	46.7	24.5
10	5.95	59.3	545.38	57.3	47.8	44.8	25
16	7.55	56.2	543	54.2	43.7	40.7	25
20	8.47	54.8	542.05	52.8	41.8	38.8	25
25	9.51	53.3	541.2	51.3	39.8	36.8	24.3
31.25	10.67	51.9	540.44	49.9	37.9	34.9	23.6
62.5	15.38	47.7	538.55	45.4	31.9	28.9	21.5
100	19.8	44.3	537.6	42.3	27.8	24.8	20.1
200	28.98	39.8	536.54	37.8	21.8	18.8	18
250	32.85	38.3	536.27	36.3	19.8	16.8	17.3

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

ORDERING INFORMATION

Part Number	Description	Standard Length
113-40001104X	Category 6 U/UTP 23 AWG 4 Pair Cable PVC E Series	305 mtr
113-40002104X	Category 6 U/UTP 23 AWG 4 Pair Cable LSOH E Series	305 mtr
113-4000M104X	Category 6 U/UTP 23 AWG 4 Pair Cable LSOH(IEC60332-3-22) E Series	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)
113-40001104X	Pulley Box	12.0	13.0	400 x 400 x 220
113-40002104X	Pulley Box	12.3	13.2	400 x 400 x 220
113-4000M104X	Carton	12.7	13.5	405 x 405 x 210