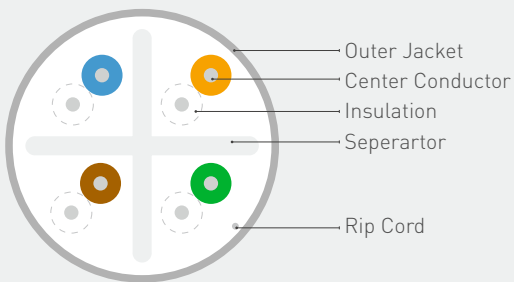
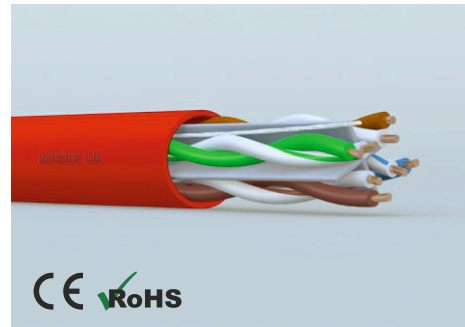


CATEGORY 6 U/UTP 24AWG 4 PAIR CABLE

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 upto 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
EN50288-6-1, EN50173, EN50575

PRODUCT CLASSIFICATION

Product Sequence	E Series
Product Type	Twisted Pair Cable

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	24 AWG
Conductor Construction	Solid
Insulation Material	High Density PE
Insulation Diameter	0.91 ± 0.08mm
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Rip Cord	Yes
Outer Jacket	PVC/LSOH
Outer Jacket Thickness & Ex. Diameter	0.50 ± 0.05mm, 5.80 ± 0.30mm

CATEGORY 6 U/UTP 24AWG 4 PAIR CABLE

ELECTRICAL & MECHANICAL CHARACTERISTICS

Impedance	100 ±15 Ω
DC Resistance	95 Ω/km
Max. Resistance Unbalance	≤5%
Capacitance	5.6 nF/100m Max
Capacitance Unbalance	3.3 pF/m max.
Propagation Delay Skew	≤45 ns/100m Max
Velocity of propagation	69 %
Min. Insulation Resistance	5 GΩ•km
Max.Tensile Strength - Short Term	110 N
Min. Bend Radius	8 X OD
Operating Temperature Range	-20°C~75°C

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	2.0	74.3	72.3	20.0	67.8	64.8
4	3.8	65.3	63.3	23.0	55.8	52.8
10	6.0	59.3	57.3	25.0	47.8	44.8
20	8.5	54.8	52.8	25.0	41.8	38.8
100	19.8	44.3	42.3	20.1	27.8	24.8
200	29.0	39.8	37.8	18.0	21.8	18.8
250	32.8	38.3	36.3	17.3	19.8	16.8

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

ORDERING INFORMATION

Part Number	Description	Standard Length
120-40001104X	Category 6 U/UTP 24 AWG 4 Pair Cable PVC E Series	305 mtr
120-40002104X	Category 6 U/UTP 24 AWG 4 Pair Cable LSOH 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)
120-40001104X	Pulley Box	12.1	13.0	400 x 400 x 220
120-40002104X	Pulley Box	12.3	13.2	400 x 400 x 220