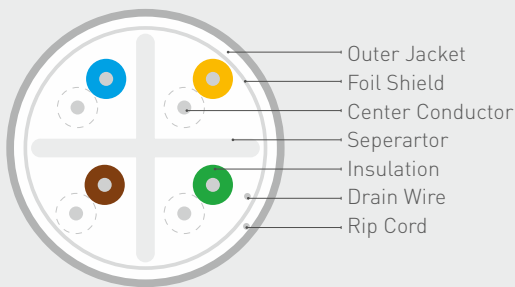
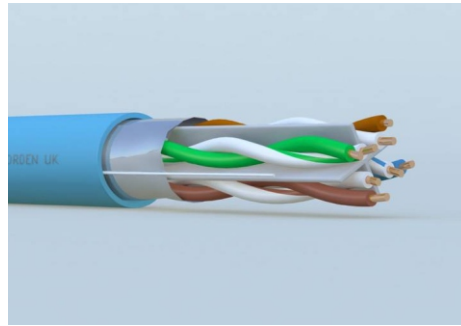


CATEGORY 6 F/UTP 4 PAIR CABLE

Norden Category 6 F/UTP cables exceed Category 6 / Class E specification. This cable having UL listed CM, CMX, CMR & CMP. 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 F/UTP (Foiled Twisted Pair) cabling systems. F/UTP (Twisted Pair – overall Foil shield) cabling systems are installed for improved Alien Cross talk performance.



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

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	1.09 mm norm.
Drain Wire	Tinned Copper 0.41 mm
Overall Shield	Laminated Aluminium foil (foil face in) ,100 % coverage
Outer Jacket	PVC/LSOH
Outer jacket Thickness & Ex. Diameter	0.60±0.05 mm, 7.4±0.4 mm
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Rip Cord	Yes



CATEGORY 6 F/UTP 4 PAIR CABLE

ELECTRICAL & MECHANICAL CHARACTERISTICS

Impedance	100 Ω \pm 15
DC Resistance	73 Ω /km norm.
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 G Ω •km
Max.Tensile Strength - Short Term	110 N
Min. Bend Radius	53.6 mm
Operating Temperature Range	-10 °C +65 °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	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	60.2	30.0	58.8	55.8
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

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

ORDERING INFORMATION

Part Number	Description	Standard Length
113-40001204X	Category 6 F/UTP 4 Pair Cable PVC E Series	305 mtr
113-40002204X	Category 6 F/UTP 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)
113-40001204X	Plywood Reel/Ctn	14.5	16.0	350 x 350 x 220
113-40002204X	Plywood Reel/Ctn	14.8	16.2	350 x 350 x 220