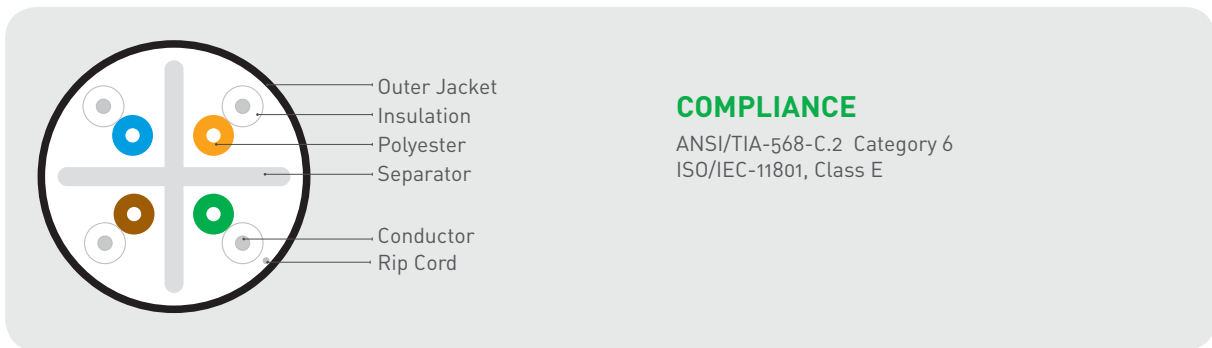
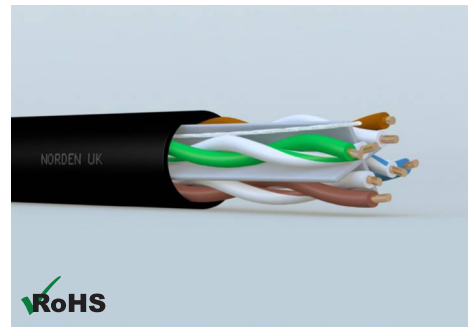


CATEGORY 6 U/UTP JELLY FILLED 4 PAIR OUTDOOR WATER PROOF PE CABLE

Norden Category 6 UTP Jelly filled water proof 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. These outdoor cables are ideal for high speed data applications either in ground or ducts and direct burial application.



COMPLIANCE

ANSI/TIA-568-C.2 Category 6
ISO/IEC-11801, Class E

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Bare Copper
Conductor Size	0.57 mm, 23 AWG
Conductor Construction	Solid
Insulation Material	High Density PE
Insulation Diameter	1.12 mm
Conductor Unit Identification	Solid/Stripe
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Rip Cord	Yes
Overall Drain-Wire Material	N/A
Overall Drain-Wire Size	N/A
Overall Drain-Wire Construction	N/A
Outer Jacket	LDPE
Outer Jacket Thickness & Ex. Diameter	0.50±0.05 mm, 7.1±0.5 mm
Outer Jacket Colour	Black or Per Requirement
Marking	Per Requirement

CATEGORY 6 U/UTP JELLY FILLED 4 PAIR OUTDOOR WATER PROOF PE CABLE

ELECTRICAL & MECHANICAL CHARACTERISTICS

Frequency Range	1 - 250 MHz
Impedance	100 Ω ±15
Coupling Attenuation	40 dB min @ 30-100 MHz 40-20 Log (f/100) @100-300 MHz
DC Resistance	93.8 Ω/km norm.
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	65 %
Dielectric Strength	1 KV/minute
Min. Insulation Resistance	5 GΩ• km
Max.Tensile Strength - Short Term	110 N
Min. Bend Radius	60.35 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	3.0	65.0	62.0	19.1	64.2	61.2
4	3.5	64.1	61.8	21.0	52.1	49.1
8	5.0	59.4	57.0	21.0	46.1	43.1
10	5.5	57.8	55.5	21.0	44.2	41.2
16	7.0	54.6	52.2	20.0	40.1	37.1
20	7.9	53.1	50.7	19.5	38.2	35.2
25	8.9	51.5	49.1	19.0	36.2	33.2
31.25	10.0	50.0	47.5	18.5	34.3	31.3
62.5	14.4	45.1	42.7	16.0	28.3	25.3
100	18.6	41.8	39.3	14.0	24.2	21.2
200	27.4	36.9	43.3	11.0	18.2	15.2
250	31.1	35.3	32.7	10.0	16.2	13.2

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

ORDERING INFORMATION

Part Number	Description	Standard Length
113-20103104X	Category 6 U/UTP Jelly filled 4 Pair Outdoor water proof PE Cable	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)
113-20103104X	Plywood Reel/Ctn	19.1	20.0	380 x 380 x 260