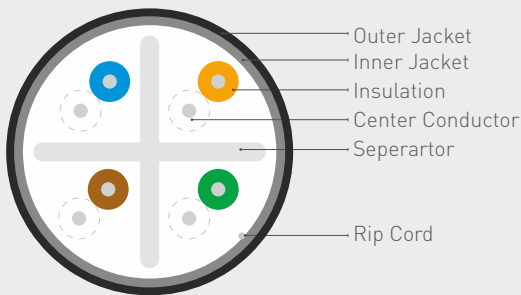
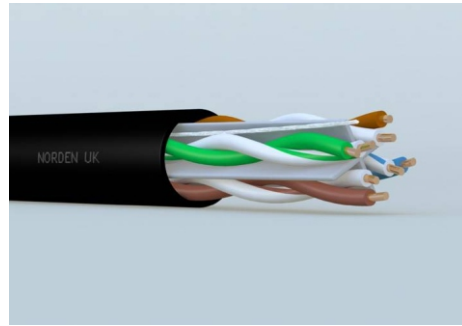


CAT - 6 U/UTP 4 PAIR DOUBLE JACKET

EXTERNAL CABLE LSZH & PE WITH ANTI-RODENT CHEMICAL

This Cable Consists of PE Insulated 23AWG Solid Bare Electrolytic Grade Copper Conductors, 4Pair stranded over PE Cross Separator, Ripcord, LSZH Inner sheath, and PE black Outer Sheath with Anti-Termite properties.



COMPLIANCE

IEEE 802.af, IEEE 802.3at for PoE applications
ANSI/TIA-568-C.2 Category 6
ISO/IEC-11801, Class E
IEC 61156-5: Category 6

PRODUCT CLASSIFICATION

Product Sequence	Premium
Product Type	Twisted Pair Cable

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Solid Bare Electrolytic Grade Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Insulation Material	Polyethylene (HDPE)
Insulation Diameter	1.0 ± 0.05mm
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Rip Cord	Yes
Inner Jacket	LSZH (Low Smoke Zero Halogen)
Inner Jacket Colour	Grey
Outer Jacket	PE with Anti Rodent
Outer Jacket Thickness	0.50 mm
Outer Jacket Colour	Black
Approximate OD	7.00 ± 0.30 mm
Anti Termite & Anti Rodent	Yes
UV Resistance	Yes
Cross Filler	HDPE
Fire Rating	IEC 60332-1
Marking	At Every Meter
Packing	305 Meter reel

CAT - 6 U/UTP 4 PAIR DOUBLE JACKET EXTERNAL CABLE LSZH & PE WITH ANTI-RODENT CHEMICAL

ELECTRICAL & MECHANICAL CHARACTERISTICS

Conductor DC Resistance @20°C	Max. 93.8Ω/km
Conductor Resistance Unbalance	Max. 5 %
Mutual Capacitance @1KHZ	Max. 5.6 nF/100M
Characteristic Impedance (1-250 MHz)	100 ± 15 Ohm
Insulation Resistance	Min. 5000 MOhm.km
Dielectric Strength	1.7KV RMS for 2 sec.
Normal velocity of propagation	69 %
Propagation Delay @ 1,10,100 &250 MHz	Max. 570, 545,538 & 536 ns/100 m
Propagation DeLay Skew 1 – 250 MHz	Max. 45 ns/100 m
Bending radius	8 x Overall diameter
Breaking strength	Max. 400 N
Rated Voltage	72 V
Temperature Rating	-20°C to +70°C
Worst Case Cable Skew	Max. 45 ns /100 mtr
Worst Cable Skew	45 ns /100 mtr

TRANSMISSION PERFORMANCE

Cat. 6 Un-screened Pair Horizontal Cables*

Freq. (MHz)	ATT(dB/100m) max.	NEXT(dB) min.	PS.NEXT(dB) min.	ACRF (dB@100m)min.	PS.ACRF (dB@100m)min.	Return Loss dB/100min.
1	2.1	65	62	63.3	60.3	19
4	4	63	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.2	54	43.3	40.3	19
16	8	53.2	50.6	39.2	36.2	18
20	9	51.6	49	37.2	34.2	17.5
25	10.1	50	47.3	35.3	32.3	17
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14
100	21.3	39.9	37.1	23.3	20.3	12
200	31.5	34.8	31.9	17.2	14.2	9
250	35.9	33.1	30.2	15.3	12.3	8

ORDERING INFORMATION

Part Number	Description
113-2022G104X	Category 6 U/UTP 4 Pair Double Jacket External Cable LSZH & PE with Anti Rodent Chemical

X: BK(Black)

PACKING INFORMATION

Part Number	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
113-2022G104X	Wooden Reel/Ctn	15.0	17.4	381 x 203 x 343