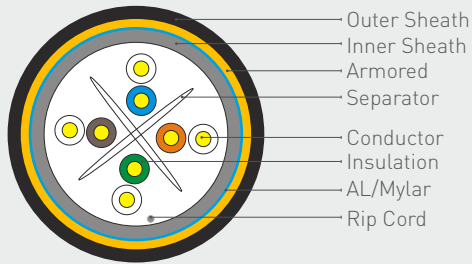
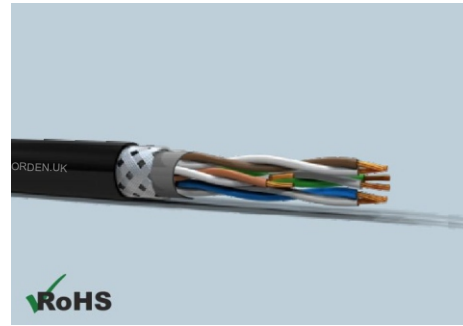


CATEGORY 6 U/UTP 4 PAIR 23 AWG DOUBLE JACKET ARMoured EXTERNAL CABLE



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. These external cables Constructed with steel wire braid armouring and ideal for industrial use and in direct sunlight.



COMPLIANCE

IEEE 802.3af, IEEE 802.3at for PoE applications
ANSI/TIA-568.2-D Category 6
ISO/IEC-11801, Class E
IEC 61156-5: Category 6

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Solid Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Insulation Material	HDPE
Insulation Diameter	1.02 ± 0.05mm
Screening Material	Al/Mylar
Rip Cord	Yes
Inner Sheath Material	PVC
Inner Sheath Thickness	0.80±0.2 mm
Armored Material	Steel Wires
Armored Material Coverage	≥65%
Outer Sheath Material	LDPE (Complies RoHS)
Outer Sheath Thickness	1.1±0.4 mm
Outer Sheath External O.D.	10.0±1.0 mm
Outer Sheath Color	Black



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ELECTRICAL & MECHANICAL CHARACTERISTICS

Frequency Range	1 - 250 MHz
Impedance	100±15 Ω
DC Resistance	9.38 Ω/100m
Max. Resistance Unbalance	5% max.
Capacitance Unbalance	3.3 pF max.
Velocity of Propagation	80 % nom.
Propagation Delay Skew	45 ns/100m max.
Tensile Strength (Mpa)	≥ 10.0 (Before Aging) ≥ 8.0 (After Aging)
Elongation(%)	≥ 350 (Before Aging) ≥ 300 (After Aging)
Min. Bend Radius	8 x O.D
Max. Operating Temperature	-20 °C +70 °C

TRANSMISSION PERFORMANCE

Cat. 6 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
4.0	3.5	64.1	61.8	21.0	52.1	49.1
8.0	5.0	59.4	57.0	21.0	46.1	43.1
10.0	5.5	57.8	55.5	21.0	44.2	41.2
16.0	7.0	54.6	52.2	20.0	40.1	37.1
20.0	7.9	53.1	50.7	19.5	38.2	35.2
25.0	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	34.3	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
113-20613104X	Category 6 U/UTP 4 Pair 23 AWG Double Jacket Armoured External Cable.	305 mtr

X: BK(Black), BL(Blue), GN(Green), GY(Gray), RD(Red), WH(White), YL(Yellow)