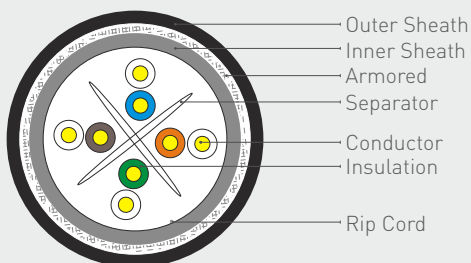
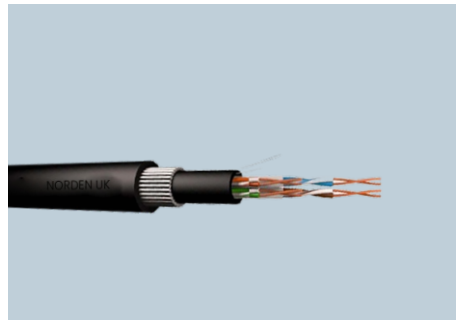


CATEGORY 6 U/UTP DOUBLE JACKET GALVANIZED IRON WIRE ARMoured EXTERNAL CABLE

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, minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to UTP cabling systems. These external cables constructed with galvanized iron wire armouring which makes the cable anti-termite and ideal for industrial use in direct sunlight.



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

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Solid Bare Electrolytic Grade Copper
Conductor Size	0.55 mm, 23 AWG
Conductor Construction	Solid
Insulation Material	HDPE
Insulation Diameter	1.02 ± 0.5 mm
Rip Cord	Yes
Inner Sheath Material	FR-PVC
Inner Sheath Thickness	0.80±0.2 mm
Armored Material	Galvanized Iron Wire
Armouring Thickness	0.60mm
Armored Material Coverage	≥65%
Fire Rating	IEC 60332-1
Outer Sheath Material	FR-PVC (UV Resistant)
Outer Sheath External O.D.	9.40 ± 0.50 mm
Outer Sheath Color	Black

CATEGORY 6 U/UTP DOUBLE JACKET GALVANIZED IRON WIRE ARMoured EXTERNAL CABLE

ELECTRICAL & MECHANICAL CHARACTERISTICS

Frequency Range	1 - 250 MHz
Impedance	100±15 Ω
DC Resistance	9.38 Ω/100m
Max. Resistance Unbalance	5% max.
Mutual Capacitance	5.6 nf/100 mtr
Capacitance Unbalance	3.3 pF max.
Velocity of Propagation	69 % 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	9.40 x O.D
Max. Operating Temperature	-20 °C +75 °C

TRANSMISSION PERFORMANCE

Cat. 6 Screened Pair Horizontal Cables*

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PSNEXT dB	ACRF (dB@100 m) min.	PS.ACRF (dB@100 m) min.	Return Loss (dB/100m)
1	2.1	65.0	62.0	63.3	60.3	19
4.0	4	63.0	60.5	51.2	48.2	19
8.0	5.7	58.2	55.6	45.2	42.2	19
10.0	6.3	56.6	54	43.3	40.3	19
16.0	8	53.2	50.6	39.2	36.2	18
20.0	9	51.6	49.0	37.2	34.2	17.5
25.0	10.1	50.0	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	20.3	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

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

ORDERING INFORMATION

Part Number	Description	Standard Length
113-20D57104X	Category 6 U/UTP Double Jacket Galvanized Iron Wire Armoured Anti-Termite External Cable FR-PVC (UV Resistant)	305 mtr

X: BK(Black), GY(Gray)