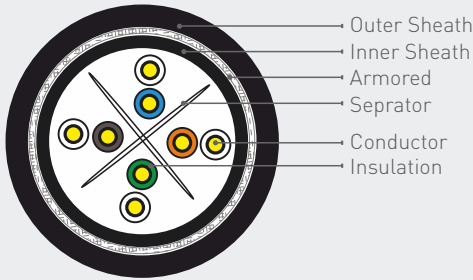
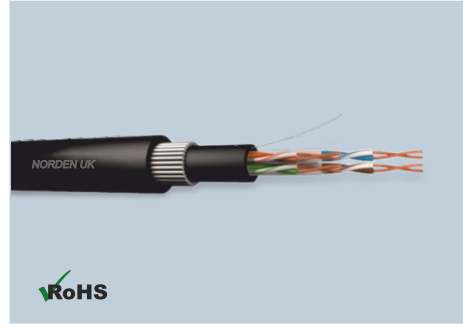


CATEGORY 6 U/UTP 23 AWG 4 PAIR DOUBLE JACKET GALVANIZED STEEL WIRE ARMOURED INDUSTRIAL CABLE CMR RATED

Norden Category 6 UTP Double jacket Steel wire Armoured industrial grade cables exceed Category 6 / Class E specification. It is tested up to 250 MHz frequency range and designed to support Gigabit 1000Base-T and 1000Base-Tx applications. This cable has an industrial grade PVC Jacket which is CMR Fire rated, Oil and UV Resistant for external applications. 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.



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	Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Insulation Material	HDPE
Insulation Diameter	1.02±0.03 mm
Conductor Unit Identification	Solid/Stripe
Colour Code	Per TIA/EIA 568-B
Total Number of Wires	8
Inner Sheath Material	LDPE
Armour	Galvanized Steel Wire Helically Armouring
Outer Sheath Material	Industrial Grade CMR-PVC
Outer Jacket Diameter	11.2±0.4 mm
Marking	Per Requirement

CATEGORY 6 U/UTP 23 AWG 4 PAIR DOUBLE JACKET GALVANIZED STEEL WIRE ARMOURED INDUSTRIAL CABLE CMR RATED

ELECTRICAL & MECHANICAL CHARACTERISTICS

Impedance	100 Ω ±15 (1-100MHz), 100 Ω ±20 (100-250MHz), 100 Ω ±25 (250 - 500MHz)
DC Resistance @ 20°C	≤ 7.5 Ω/100m nom.
Max. Resistance Unbalance	≤ 2.5 %
Mutual Capacitance	5.6 nF/100m max.
Capacitance Unbalance	330 pF/100m max.
Propagation Delay Skew	≤ 45 ns/100m max.
Dielectric Strength	1.5 KV/minute
Min. Insulation Resistance	5000MΩ•km
Min. Bend Radius	8 x OD
Operating Temperature Range	-20°C to +70°C

TRANSMISSION PERFORMANCE

Electrical Characteristics meet or exceed 70 Meter TIA Cat 6 Channel Spec.

Freq. MHz	Attenuation dB	RL dB	NEXT dB	PS NEXT dB	ACRF dB	PS ACRF dB
1	2.03	20.0	74.3	72.3	67.8	64.8
4	3.86	23.0	65.3	63.3	55.8	52.8
10	2.95	25.0	59.3	57.3	47.8	44.8
16	7.55	25.0	56.2	54.2	43.7	40.7
20	8.47	25.0	54.8	52.8	41.8	38.8
31.25	10.67	23.64	51.9	49.8	37.9	34.9
62.5	15.38	21.54	47.4	45.4	31.9	28.9
100	19.8	20.11	44.3	41.3	27.8	24.8
200	28.98	18.0	39.8	37.8	21.8	18.8
250	32.85	17.32	38.3	36.3	19.9	16.9

ORDERING INFORMATION

Part Number	Description	Standard Length
113-644NN104X	Category 6 U/UTP 23 AWG 4 Pair Double Jacket Steel Wire Armoured Industrial Cable CMR Rated	305 mtr

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