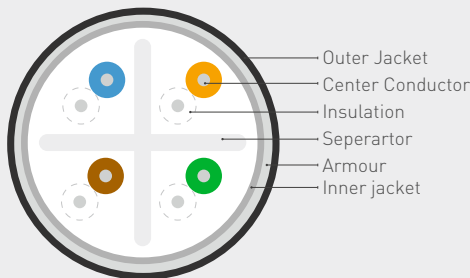
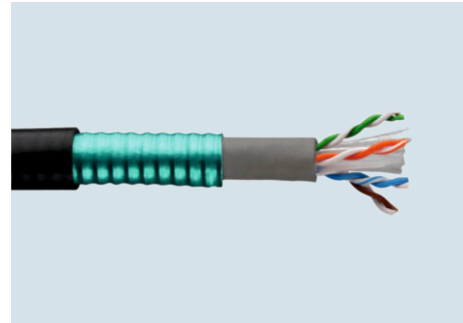


CAT 6A U/UTP DOUBLE JACKET STEEL TAPE ARMORED EXTERNAL CABLE PVC/PE



Norden Category 6A U/UTP armored cables exceed Category 6A/Class EA specification. It is tested to 500MHz frequency range and designed to support 1000Base-T and 1000Base-Tx applications. Extremely high pair-balance providing excellent EMC (Electro Magnetic Compatibility), minimizing radiation, maximizing noise immunity and providing high alien cross talk performance to U/UTP (Unshielded Twisted Pair) cabling systems. Cat 6A UTP armored cable consists of PE insulated 24AWG solid bare annealed copper conductors, twisted 4 pair stranded over cross PE separator filler, ECCS tape, armour, FR PVC inner sheath and PE(UV stabilized) outer sheath.



COMPLIANCE

IEEE 802.3an :2006 (10GBASE-T)
ANSI/TIA-568.2-D Category 6A ISO/
IEC-11801, 2nd Edition Class E IEC
61156-5:2002 Category 6A

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Solid Bare Copper
Conductor Size	23 AWG
Conductor Construction	Solid
Insulation Material	HDPE
Insulation O.D.	1.05 mm nom.
Conductor Unit Identification	Solid/Stripe
Colour Code	Per TIA/EIA 568-B
Conductor Unit Lay-Up	Pairs
Total Number of Wires	8
Separator	PE
Inner Jacket Material	FR PVC
Armour	ECCS Tape
Armour Thickness	≥0.125mm
Outer Jacket Material	PE (UV Stabilized)
Outer jacket thickness & Ex. Diameter	1.3mm, 11.2±0.5 mm
Outer Jacket Colour	Black



CAT 6A U/UTP DOUBLE JACKET STEEL TAPE ARMORED EXTERNAL CABLE PVC/PE



ELECTRICAL & MECHANICAL CHARACTERISTICS

Conductor Resistance @20°C	≤ 9.38Ω/100m
Conductor Resistance Unbalance	Max. 5 %
Mutual Capacitance @1KHZ	< 5.6nF/100m
Insulation Resistance	min. 5000 MΩ.km
High voltage	2.5 Kv DC/1 min
Capacitance Earth Unbalance	330pF/100m
Propagation DeLay Skew 1 – 500 MHz	< 45 ns
Characteristic Impedance [1-250 MHz]	100 ± 15Ω
Bending radius	20x Diameter(min.)
Pulling Force	55.0 kgs
Temperature Range	-30°C up to +65°C

TRANSMISSION PERFORMANCE

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

Freq. MHz	Insertion Loss dB (Max.)	NEXT dB (Min.)	PS NEXT dB (Min.)	RL dB (Min)	ACR-F dB (Min.)	PS ACR-F dB (Min)
1	3	65	62.0	19.0	63.3	60.3
4	4.2	63	60.5	19.0	51.2	48.2
8	5.8	58.2	55.6	19.0	45.2	42.2
10	6.5	56.6	54.0	19.0	43.3	40.3
16	8.2	53.2	50.6	18.0	39.2	36.2
20	9.2	51.6	49.0	17.5	37.2	34.2
25	10.2	50	47.3	17.0	35.3	32.3
31.25	11.5	48.4	45.7	16.5	33.4	30.4
62.5	16.4	43.4	40.6	14.0	27.3	24.3
100	20.9	39.9	37.1	12.0	23.3	20.3
200	30.1	34.8	31.9	9.0	17.2	14.2
250	33.9	33.1	30.2	8.0	15.3	12.3
300	37.4	31.7	28.8	7.2	13.7	10.7
400	43.7	28.7	25.8	6.0	11.2	8.2
500	49.3	26.1	23.2	6.0	9.3	6.3

ORDERING INFORMATION

Part Number	Description	Standard Length
114-20813104X	Cat 6A U/UTP Double Jacket Steel Tape Armoured External Cable PVC/PE	305 mtr

X:BK(Black)

PACKING INFORMATION

Part Number	Packing Mode	N.W (kg)	G.W (kg)	Dimension (mm)
114-20813104X	Plywood Reel/Ctn	21.2	23.3	340 x 340 x 340