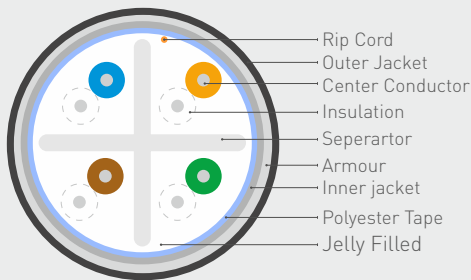
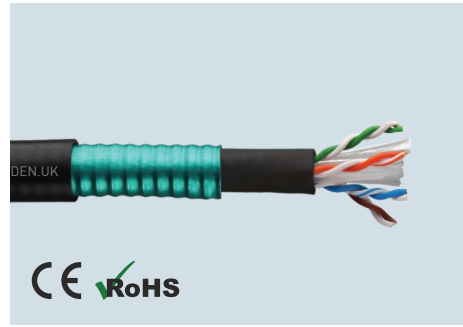


CAT 6 U/UTP DOUBLE JACKET STEEL TAPE ARMoured WITH JELLY FILLED EXTERNAL CABLE

Norden Category 6 U/UTP Double jacket Steel Tape Armoured with Jelly Filled External Cables exceed Category 6 /Class E specification. It is tested to 250MHz frequency range and designed to support 1000Base-T and 1000Base-Tx applications. Extremely high pair-balance providing excellent EMC (Electromagnetic Compatibility), minimizing radiation, maximizing noise immunity, and providing high alien crosstalk performance to U/UTP (Unshielded Twisted Pair) cabling systems. Cat 6 UTP Double jacket Steel Tape Armoured with Jelly Filled External Cable Consists of PE Insulated 23 AWG Solid Bare Electrolytic Grade Copper Conductors, twisted 4 pair stranded over Cross Separator filler, Jelly filled compound, polyester Tape wrapped around the insulated pairs for moisture absorption, ECCS Tape Armour, black inner & outer PE sheath.



COMPLIANCE

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

MATERIAL CONSTRUCTION & DESIGN

Conductor Material	Solid Bare Electrolytic Grade Copper
Conductor Size	0.57 ± 0.015mm, 23 AWG
Insulation Material	HDPE
Conductor Unit Identification	Solid/Stripe
Conductor Unit Lay-Up	Pairs
Total Number of Wires	8
Separator	HDPE
Inner Jacket Material	PE
Filling Compound	Jelly Filled
Polyester Tape	Yes
Armour	ECCS Armoured
Armour Thickness	0.125mm
Rip cord	Yes
Outer Jacket Material	PE
Outer jacket thickness & Ex. Diameter	10.30 ± 0.50mm
Outer Jacket Colour	Black

CAT 6 U/UTP DOUBLE JACKET STEEL TAPE ARMOURED WITH JELLY FILLED EXTERNAL CABLE

ELECTRICAL & MECHANICAL CHARACTERISTICS

Conductor Resistance @20°C	Max 93.8
Conductor Resistance Unbalance	Max 5%
Mutual Capacitance @1KHZ	Max. 5.6 nf/100 mtr
Capacitance Unbalance Pair/Ground	Max. 330 pf/100 mtr
Propagation Delay Skew 1 – 250 MHz	Max. 45 ns/100 m
Characteristic Impedance (1-250 MHz)	100 ± 15Ω
Velocity of Propagation	69 %
Bending radius	> 8 X D
Pulling Force	11.5Kg (Max)
Temperature Range	-20°C up to +70°C

TRANSMISSION PERFORMANCE

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

Freq. MHz	Attenuation dB/100m @ 20°C	NEXT dB	PS dB	NEXT dB	RL dB	ELFEXT dB	PSELFEXT dB
1	2.1	65.0	62.0	62.0	19.0	63.3	60.3
4	4.0	63.0	60.5	60.5	19.0	51.2	48.2
8	5.7	58.2	55.6	55.6	19.0	45.2	42.2
10	6.3	56.6	54.0	54.0	19.0	43.3	40.3
16	8.0	53.2	50.6	50.6	18.0	39.2	36.2
20	9.0	51.6	49.0	49.0	17.5	37.2	34.2
25	10.1	50.0	47.3	47.3	17.0	35.3	32.3
31.25	11.4	48.4	45.7	45.7	16.5	33.4	30.4
62.5	16.5	43.4	40.6	40.6	14.0	27.3	24.3
100	21.3	39.9	37.1	37.1	12.0	23.3	20.3
200	31.5	34.8	31.9	31.9	9.8	17.2	14.2
250	35.9	33.1	30.2	30.2	8.0	15.3	12.3

ORDERING INFORMATION

Part Number	Description	Standard Length
113-20J33104X	Cat 6 U/UTP Double Jacket Steel Tape Armoured with Jelly Filled External Cable PE	305 mtr

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