

CAT 6 ECCS Tape Armoured Cable



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The cable construction & electrical performance of the 4 Pair 23 AWG CAT-6 Corrugated ECCS Tape Armoured Cable with polyethylene outer sheath provides extra mechanical protection and hence can be used for underground and outdoor application.

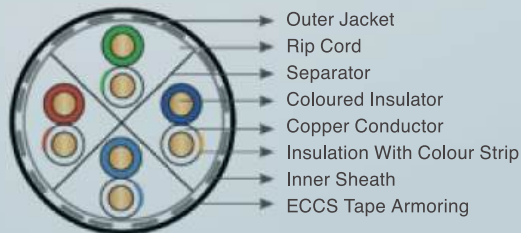
REFERENCE SPECIFICATION

ANSI/TIA-568-C.2 and ISO/IEC 11801 Standard.

PRODUCT APPLICATION:

- 10 Base T (IEEE 802.3),
- 100 Base T (IEEE 802.3U)
- 1000 BASE-T (IEEE 802.3ab)
- 1000 BASE-TX
- TP-PMD (ANSI X3T9.5) 100 Mbps CDDI
- ATM 155
- 4/16 Mbps Token Ring (IEEE 802.5)
- Meets IEEE802.3af & 802.3at PoE

CROSS SECTIONAL DIAGRAM



Actual Image

PRODUCT SPECIFICATIONS

Conductor	:	Annealed Bare Copper, 23AWG
Insulation	:	High Density Polyethylene (HDPE)
Colour Code	:	Pair Colour Code Of Cores 1 White Blue – Blue 2 White Orange – Orange 3 White Green – Green 4 White Brown – Brown
Separator	:	Polyethylene Central Cross Filler
Rip Cord	:	Nylon Rip Cord Under Inner Sheath
Inner Sheath	:	PVC
Inner Sheath Diameter	:	6.0 ± 0.3mm
Armoring	:	Electro Chromium Coated Corrugated Steel Tape Over PVC Sheathed Cable.
Outer Sheath	:	Polyethylene
Colour	:	Black
Diameter (Approx.)	:	9.2 mm
Standard Packing Length	:	305 m on Wooden Drum Or As Per Customer's Requirement.

Electrical Properties Per 100 Meter At 20°C

Impedance	100 ± 15 Ω @ 100 MHz
Conductor Resistance	≤9.38 Ω/100 m Max
Insulation Resistance	100 M Ω
Mutual Capacitance	<5.6 nF/100 m Max
Resistance Unbalance	5% Max
Capacitance Unbalance	Max. 330 pF/100m
Dielectric Strength	1.0 kV DC or 0.75 kV AC for 1 min
Delay Skew	<45 nS
NVP %	69%
Operating Voltage	72 V

High Frequency Performance Tests On Fluke Analyzer (100 m On Channel Performance)

Frequency (MHz)	ATTN	RETURN LOSS	NEXT	PS NEXT	ELFEXT	PS ELFEXT	ACR	PSACR
	MAX	MIN	MIN	MIN	MIN	MIN	MIN	MIN
	dB/100m	(dB)	(dB)	(dB)	dB/100	dB/100m	(dB)	(dB)
1.00	2.0	20.0	74.3	72.3	67.8	64.8	72.3	70.3
4.00	3.8	23.0	65.3	63.3	55.8	52.8	61.5	59.5
8.00	5.3	24.5	60.8	58.8	49.7	46.7	55.5	53.5
10.00	6.0	25.0	59.3	57.3	47.8	44.8	53.3	51.3
16.00	7.6	25.0	56.2	54.2	43.7	40.7	48.6	46.6
20.00	8.5	25.0	54.8	52.8	41.8	38.8	46.3	41.3
25.00	9.5	24.3	53.3	51.3	39.8	36.8	43.8	41.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9	41.2	39.2
62.50	15.4	21.5	47.4	45.4	31.9	28.9	32.0	30.0
100.0	19.8	20.1	44.3	42.3	27.8	24.8	24.5	22.5
200.0	29.0	18.0	39.8	37.8	21.8	18.8	10.8	8.8
250.0	32.8	17.3	38.3	36.3	19.8	16.8	5.5	3.5

Finolex

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