

CAT6 F/FTP - Data Cable

PRODUCT DESCRIPTION

23 AWG copper wire insulated with Polyethylene. Two insulated conductors twisted together to form a pair and four such pairs covered by a Aluminum Polyester tape form the core unit, overall covered with Aluminum Polyester tape, jacketed with flame retardant PVC/LSZH. Enhanced performance cable enables delivering high speed network.

FEATURES

Flame Rating

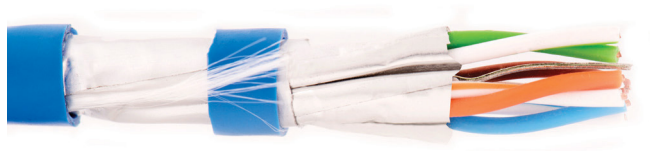
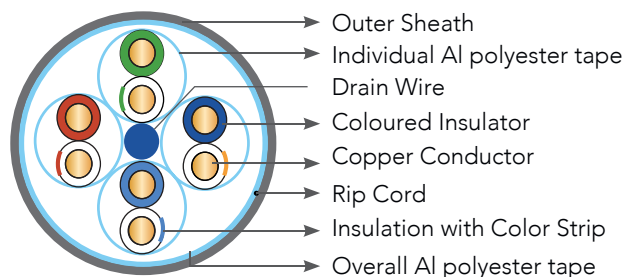
LSZH-IEC 60332-1; IEC 60754 1&2; IEC 61034-2
Specified and tested upto 250MHz
Excellent RFI/EMI interference attenuation to enable installation in high electrical noise locations.
Compliant to American Standard ANSI/TIA 568-C.2 Cat6,
International Standard ISO/IEC 11801 Class E
25 years system warranty available

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

JACKET COLOURS

Blue, Grey, Violet or Customer Specific Colours



COLOUR CODE

PAIR	SPECIFICATIONS
1	Blue - White or white with color stripe
2	Orange - White or white with color stripe
3	Green - White or white with color stripe
4	Brown - White or white with color stripe

PRODUCT SPECIFICATION

Mechanical & Environmental Characteristics

CHARACTERISTIC	SPECIFICATIONS
Maximum tensile load	110 N (installation)
Minimum bend radius	8 x cable outer diameter
Temperature	0°C to +50°C (installation) -10°C to +60°C (operation)



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TRANSMISSION/CHARACTERISTICS - 100M

Frequency (Mhz)	Insertion loss (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ELFEXT (dB)	PSELFEXT (dB)	ACR (dB)
1	2.0	20.0	74.3	72.3	67.8	64.8	72.3
4	3.8	23.0	65.3	63.3	55.8	52.8	61.5
8	5.3	24.5	60.8	58.8	49.7	46.7	55.5
10	6.0	25.0	59.3	57.3	47.8	44.8	53.3
16	7.6	25.0	56.2	54.2	43.7	40.7	48.6
20	8.5	25.0	54.8	52.8	41.8	38.8	46.3
25	9.5	24.3	53.3	51.3	39.8	36.8	43.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9	41.2
62.5	15.4	21.5	47.4	45.4	31.9	28.9	32.0
100	19.8	20.1	44.3	42.3	27.8	24.8	24.5
200	29.0	18.0	39.8	37.8	21.8	18.8	10.8
250	32.8	17.3	38.3	36.3	19.8	16.8	5.5

ELECTRICAL PROPERTIES @20 DEG C

CHARACTERISTICS	SPECIFICATIONS
Characteristic Impedance	100+/- 15 Ohms
Conductor Resistance	Max < 9.38 Ohms/100m
Conductor Resistance Unbalance	Max 5%
Mutual Capacitance	5.6nF/100m
Delay Skew	Max 45 ns/100m
Propagation Delay	< 536 ns/100m @ 250MHz

PACKAGING

305m - Reel
500m / 1000m - Reel



Flame Retardant



Electromagnetically Shielded / Dielectric

PART NO.	PRODUCT DESCRIPTION	Outer Diameter (mm nom.)
MK-C6FF23P	Cat 6 4x2x23 AWG F/FTP, PVC	7.6
MK-C6FF23P	Cat 6 4x2x23 AWG F/FTP, LSZH	7.6

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