

CAT6A F/UTP - Data Cable

PRODUCT DESCRIPTION

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

FEATURES

Flame Rating

PVC-CM

LSZH-IEC 60332-1; IEC 60754 1&2; IEC 61034-2

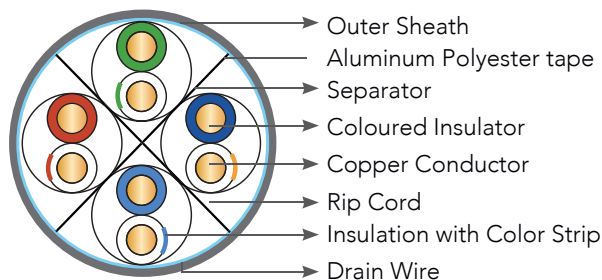
Very good RFI/EMI interference attenuation to enable installation in high electrical noise locations.

Specified and tested upto 500MHz

Compliant to American Standard ANSI/TIA 568-C.2 Cat6a,

International Standard ISO/IEC 11801 Class E

25 years system warranty available



PRODUCT APPLICATION

10G BASE-T (IEEE 802.3)

1000 BASE-T (IEEE 802.3ab)

1000 BASE-TX

Data center I/O consolidation

Back Bone aggregation

Consolidation of network interconnects

Parallel processing and High Speed Computing

Other Legacy LAN and application Video, BAS

Meets IEEE802.3af & 802.3at PoE

JACKET COLOURS

Blue, Grey, Green, Orange Yellow, Violet or Customer Specific Colours



UL Listed CM, CMR, CMX @ 75°C.,

Certification is applicable to specific product part no.

COLOUR CODE

PAIR	SPECIFICATIONS
1	Blue - White Blue
2	Orange - White Orange
3	Green - White Green
4	Brown - White Brown

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)	Max attenuation (dB/100m)	RL (dB)	NEXT (dB)	PSNEXT (dB)	ACRF (dB)	PSACRF (dB)
1	2.1	20.0	74.3	72.3	67.8	64.8
4	3.8	23.0	65.3	63.3	55.8	52.8
10	5.9	25.0	59.3	57.3	47.8	44.8
16	7.5	25.0	56.2	54.2	43.7	40.7
20	8.4	25.0	54.8	52.8	41.8	38.8
31.25	10.5	23.6	51.9	49.9	37.9	34.9
62.5	15	21.5	47.4	45.4	31.9	28.9
100	19.1	20.1	44.3	42.3	27.8	24.8
200	27.6	18.0	39.8	37.8	21.8	18.8
250	31.1	17.3	38.3	36.3	19.8	16.8
300	34.3	16.8	37.1	35.1	18.3	15.3
500	45.3	15.2	33.8	31.8	13.8	10.8

ELECTRICAL PROPERTIES @20 DEG C

CHARACTERISTICS	SPECIFICATION
Characteristic Impedance	100+/- 15 Ohms
Conductor Resistance	Max < 9.38 Ohms/100m
Conductor Resistance Unbalance	Max 4%
Mutual Capacitance	5.6nF/100m
Delay Skew	Max 45 ns/100m
Propagation Delay	< 536 ns/100m @ 500MHz

STERLITE P/N	PRODUCT DESCRIPTION	OUTTER DIAMETER (MM NOM.)
MK-C6AFU23P	Cat 6a 4x2x23 AWG F/UTP, PVC	8.2
MK-C6AFU23P	Cat 6a 4x2x23 AWG F/UTP, LSZH	8.2

PACKAGING

305m - Reel
500m / 1000m - Reel



Flame Retardant



Electromagnetically Shielded / Dielectric

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