

CAT7 S/FTP - Data Cable

PRODUCT DESCRIPTION

23 AWG copper wire insulated with Foam Skin 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 braided with ATC, jacketed with flame retardant PVC/ LSZH. Enhanced performance cable enables delivering high speed.

FEATURES

Flame Rating

LSZH-IEC 60332-1; IEC 60754 1&2; IEC 61034-2
Excellent RFI/EMI interference attenuation to enable installation in high electrical noise locations.

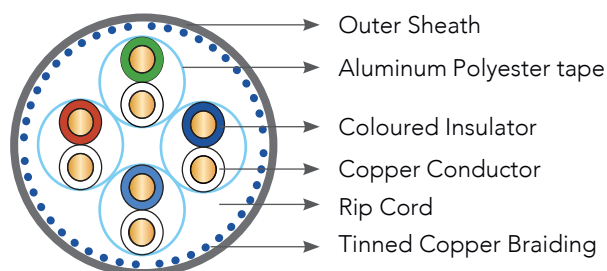
Specified and tested upto 600MHz
Compliant to ISO/IEC 11801 Class F
25 years system warranty available

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, 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 Max.(db/100m)	Min. RL (DB)	PR- PR Min. NEXT(db)	Min. PSNEXT (db)	Min. ACRF (db)	Min PSACRF (dB)
4	4.1	19.0	65.0	62.0	65.0	62.0
10	6.4	19	65.0	62.0	60.8	57.8
20	9.1	17.5	65.0	62.0	55.9	52.9
31.25	11.4	16.5	65.0	62.0	52.8	49.8
62.5	16.3	14.0	65.0	62.0	47.8	44.8
100	20.3	12.0	62.9	59.9	44.4	41.4
250	32.5	8.0	56.9	53.9	37.8	34.8
300	37.3	8.0	55.7	52.7	36.4	33.4
400	43.6	8.0	53.8	50.8	34.3	31.3
500	49.3	8.0	52.4	49.4	32.6	29.6
600	54.6	8.0	51.2	48.2	31.3	28.3

ELECTRICAL PROPERTIES @20 DEG C

CHARACTERISTICS	SPECIFICATION
Characteristic Impedance	100+/- 15 Ohms @ 100MHz
Conductor Resistance	Max < 25 Ohms/100m
Conductor Resistance Unbalance	Max 3%
Mutual Capacitance	5.6nF/100m
Delay Skew	Max 45 ns/100m @ 100MHz
Propogation Delay	< 536 ns/100m @ 100MHz

STERLITE P/N	PRODUCT DESCRIPTION	OUTTER DIAMETER (MM NOM.)
MK-C7ASF23P	Cat 7 4x2x23 AWG S/FTP, PVC	7.8
MK-C7ASF23L	Cat 7 4x2x23 AWG S/FTP, LSZH	7.8

PACKAGING

305m - Reel

500m / 1000m - Reel



Flame Retardant



Electromagnetically Shielded / Dielectric

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