

CAT7A S/FTP - Data Cable

PRODUCT DESCRIPTION

22 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 braided with ATC, jacketed with flame retardant PVC/LSZH. Enhanced performance cable enables delivering high speed network.

FEATURES

Flame Rating

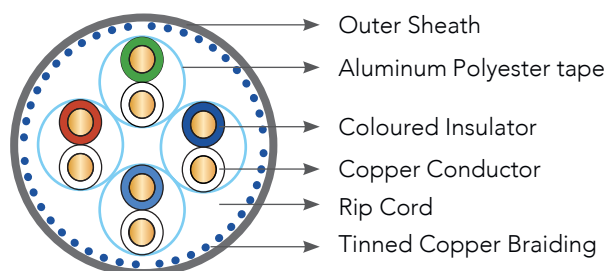
LSZH-IEC 60332-1; IEC 60754 1&2; IEC 61034-2
Specified and tested upto 1000MHz
Excellent RFI/EMI interference attenuation to enable installation in high electrical noise locations.
Compliant to ISO/IEC 11801 Class F
25 years system warranty available

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. NEXT (DB)	Min. PSNEXT (db)	Min. RL (db)	Min. ACRF(db)	Min. PSACRF(db)	Max Propagation delay(ns/100m)
4	4.1	65.0	62.0	19.0	65.0	62.0	562
10	6.4	65.0	62.0	19.0	65.0	62.0	555
20	9.0	65.0	62.0	17.5	61.4	58.4	552
31.25	11.2	65.0	62.0	16.5	57.6	54.6	550
62.5	15.9	65.0	62.0	14.0	51.5	48.5	549
100	20.3	65.0	62.0	12.0	47.4	44.4	548
250	32.5	59.1	56.1	8.0	39.4	36.4	546
300	35.7	57.7	54.7	8.0	37.8	34.8	546
400	41.5	55.4	52.4	8.0	35.3	32.3	546
500	46.7	53.6	50.6	8.0	33.4	30.4	546
600	51.4	52.1	49.1	8.0	31.8	28.8	545
1000	67.6	47.9	44.9	6.0	27.4	24.4	545

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
Propagation Delay	< 536 ns/100m @ 100MHz

PACKAGING

305m - Reel
500m / 1000m - Reel

STERLITE P/N	PRODUCT DESCRIPTION	OUTTER DIAMETER (MM NOM.)
MK-C7ASF22P	Cat 7A 4x2x22 AWG S/FTP, PVC	8.3
MK-C7ASF22L	Cat 7A 4x2x22 AWG S/FTP, LSZH	8.3



Flame Retardant



Electromagnetically Shielded / Dielectric

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