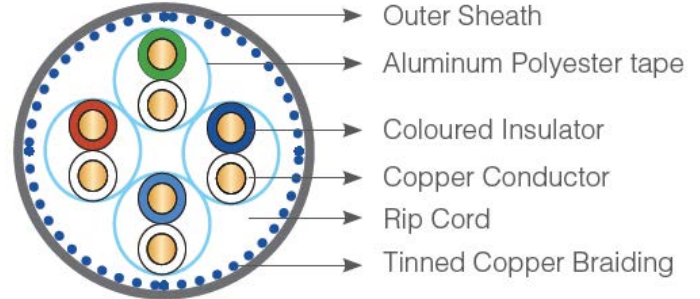


CAT7 S/FTP -DATA SHEET

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 network.



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



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

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

Jacket Colours

Blue, Grey, Violet or Customer Specific Colours

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)



Transmission/Characteristics - 100m

Frequency (Mhz)	Insertion Loss Max.(db/100 m)	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	Specifications
Characteristic Impedance	100+/- 15 Ohms @ 100MHz
Conductor Loop 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

Packaging
305m - Reel
500m / 1000m - Reel

Sterlite P/N	Product Description	Outter Diameter (mm nom.)
SLITE4105	Cat 7 4x2x23 AWG S/FTP, PVC	7.8
SLITE4205	Cat 7 4x2x23 AWG S/FTP, LSZH	7.8