

CAT5e F/FTP - Data Cable



Product Description

24 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:

PVC-CM
 LSZH-IEC 60332-1; IEC 60754 1&2; IEC 61034-2
 Very good RFI/EMI interference attenuation to enable installation to high electrical noise locations
 Specified and tested upto 100MHz
 Compliant to ANSI/TIA 568-C.2, ISO/IEC 11801 Class D

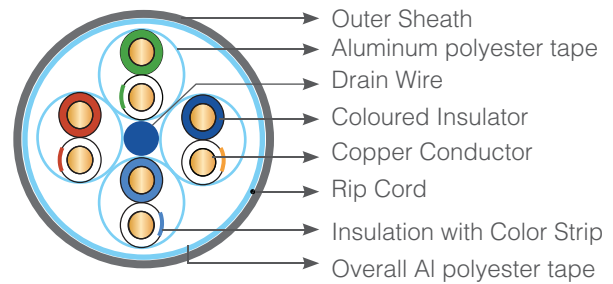
Product Application

10 Base T (IEEE 802.3)
 100 Base T (IEEE 802.3U)
 1000 BASE-T (IEEE 802.3ab)
 TP-PMD (ANSI X3T9.5)
 100 Mbps CDDI
 ATM 155
 4/16 Mbps Token Ring (IEEE 802.5)
 Meets IEEE802.3af & 802.3at PoE

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)



Colour Code

Pair	Specifications
1	Blue - White Blue
2	Orange - White Orange
3	Green - White Green
4	Brown - White Brown

Jacket Colours

Blue, Grey or Customer Specific Colours



Datasheet

Transmission/Characteristics - 100m

Characteristics	Frequency (Mhz)	1.00	4.00	8.00	10.00	16.00	20.00	25.00	31.25	62.50	100
Return loss (dB)	Spec (Min)	20.0	23.0	24.5	25.0	25.0	25.0	24.3	23.6	21.5	20.1
Insertion loss(dB)	Spec (Max)	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17.0	22.0
NEXT (dB)	Spec (Min)	65.3	56.3	51.8	50.3	47.2	45.8	44.3	42.9	38.4	35.3
PSNEXT (dB)	Spec (Min)	62.3	53.3	48.8	47.3	44.2	42.8	41.3	39.9	35.4	32.3
ELFEXT (dB)	Spec (Min)	63.8	51.8	45.7	43.8	39.7	37.8	35.8	33.9	27.9	23.8
PSELFEXT (dB)	Spec (Min)	60.8	48.8	42.7	40.8	36.7	34.8	32.8	30.9	24.9	20.8
ACR (dB)	Spec (Min)	63.3	52.2	46.0	43.8	39.0	36.5	33.9	31.2	21.4	13.3

Electrical Properties @20 deg C

Characteristics	Specifications
Characteristic Impedance	100+/- 15 Ohms @ 100MHz
Conductor Resistance	Max 9.38 Ohms/100M
Conductor Resistance Unbalance	Max 5%
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.)
SLITE1104	Cat 5e 4x2x24 AWG F/FTP, PVC	7.0
SLITE1204	Cat 5e 4x2x24 AWG F/FTP, LSZH	7.0



Flame Retardant



Electromagnetically Shielded / Dielectric



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