

CAT5e S/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 foil polyester tape, core unit overall braided with ATC, jacketed with flame retardant PVC/LSZH. Enhanced performance cable enables delivering high speed network.

FEATURES

Flame Rating

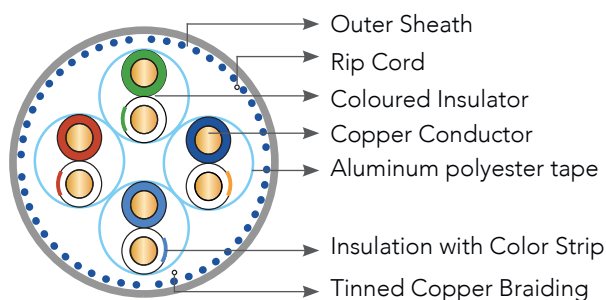
PVC-CM
LSZH-IEC 60332-1; IEC 60754 1&2; IEC 61034-2
Very good RFI/EMI interference attenuation to enable installation to high electrical noise locations
Specified and tested upto 100MHz
Compliant to American Standard ANSI/TIA 568-C.2,
International Standard ISO/IEC 11801 Class D
25 years system warranty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

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

JACKET COLOURS

Blue, Grey or Customer Specific Colours



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

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
Propagation Delay	< 536 ns/100m @ 100MHz

PACKAGING
305m - Reel
500m / 1000m - Reel

PART NO.	PRODUCT DESCRIPTION	Outer Diameter (mm nom.)
MK-C5SF24P	Cat 5e 4x2x24 AWG S/FTP, PVC	7.0
MK-C5SF24L	Cat 5e 4x2x24 AWG S/FTP, LSZH	7.0



Flame Retardant



Electromagnetically Shielded / Dielectric

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