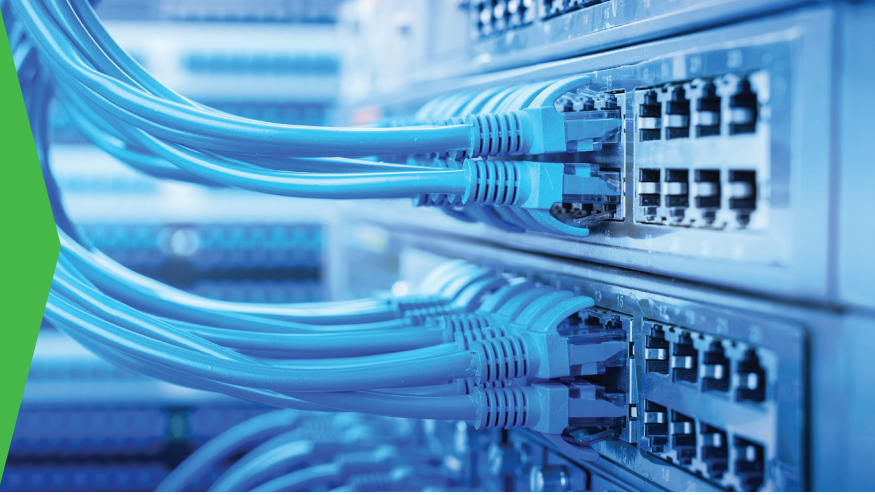


CAT6 UTP - Armored Cable



Product Description

23 AWG copper wire insulated with Polyethylene. Two insulated conductors twisted together to form a pair and four such pairs separated by a cross filler form the core unit jacketed with flame retardant PVC/LSZH. Such sheathed inner cable is armored with a Corrugated Steel Tape to provide extra mechanical protection and Jacketed with Outer UV Stabilized FRLS, PE or LSZH Material.

Features

Flame Rating:

FRLS/LSZH-IEC 60332-1; IEC 60754 1&2
Specified and tested up to 250MHz
Compliant to ANSI/TIA 568-C.2 Cat6,
ISO/IEC 11801 Class E

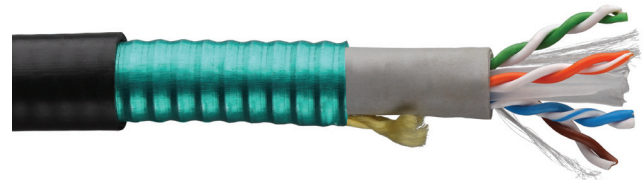
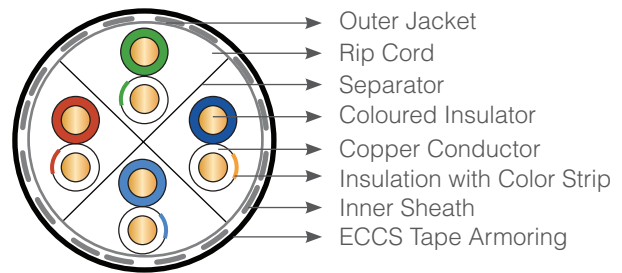
Product Application

10 Base T (IEEE 802.3)
100 Base T (IEEE 802.3U)
1000 BASE-T (IEEE 802.3ab)
1000 BASE-TX
TP-PMD (ANSI X3T9.5)
100 Mbps CDDI
ATM 155
4/16 Mbps Token Ring (IEEE 802.5)
Meets IEEE802.3af & 802.3at PoE
Suitable for Outdoor Application.
LSZH sheath facilitates Indoor/Outdoor Applications

Product Specification

Mechanical & Environmental Characteristics

Characteristic	Specifications
Maximum tensile load	500 N (installation)
Minimum bend radius	20 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

Black or Customer Specific Colors



Datasheet

Transmission/Characteristics - 100m

Frequency	Insertion Loss (dB)	NEXT (dB)	ACR-N (dB)	RL (dB)	PS NEXT (dB)	PS ACR-N (dB)	ACR-F (dB)	PS ACR-F (dB)
1	3	65	62	19	62	59	63.3	60.3
4	4	63	59	19	60.5	56.5	51.2	48.2
10	6.3	56.6	50.2	19	54	47.7	43.3	40.3
20	9	51.6	42.6	17.5	49	39.9	37.2	34.2
25	10.1	50	39.9	17	47.3	37.2	35.3	32.3
62.5	16.5	43.4	26.9	14	40.6	24.1	27.3	24.3
100	21.3	39.9	18.6	12	37.1	15.8	23.3	20.3
250	35.9	33.1	-2.8	8	30.2	-5.8	15.3	12.3

Electrical Properties @20 deg C

Characteristics	Specifications
Characteristic Impedance	100+/- 15 Ohms
Conductor Resistance	Max < 9.38 Ohms/100m
Conductor Resistance Unbalance	Max 5%
Mutual Capacitance	5.6nF/100m
Delay Skew Max	45 ns/100m
Propogation Delay	< 536 ns/100m @ 250MHz

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

Sterlite P/N	Product Description	Outer Diameter (mm nom.)
SLITE21201	Cat 6 4x2x23 AWG U/UTP, PVC, LSZH	10.3
SLITE21301	Cat 6 4x2x23 AWG U/UTP, PVC,PE	10.0
SLITE21401	Cat 6 4x2x23 AWG U/UTP, PVC,FRLS	10.3
SLITE22201	Cat 6 4x2x23 AWG U/UTP, LSZH, LSZH	10.3
SLITE22301	Cat 6 4x2x23 AWG U/UTP, LSZH,PE	10.0



UV Sunlight Resistant



Rodent Resistant



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