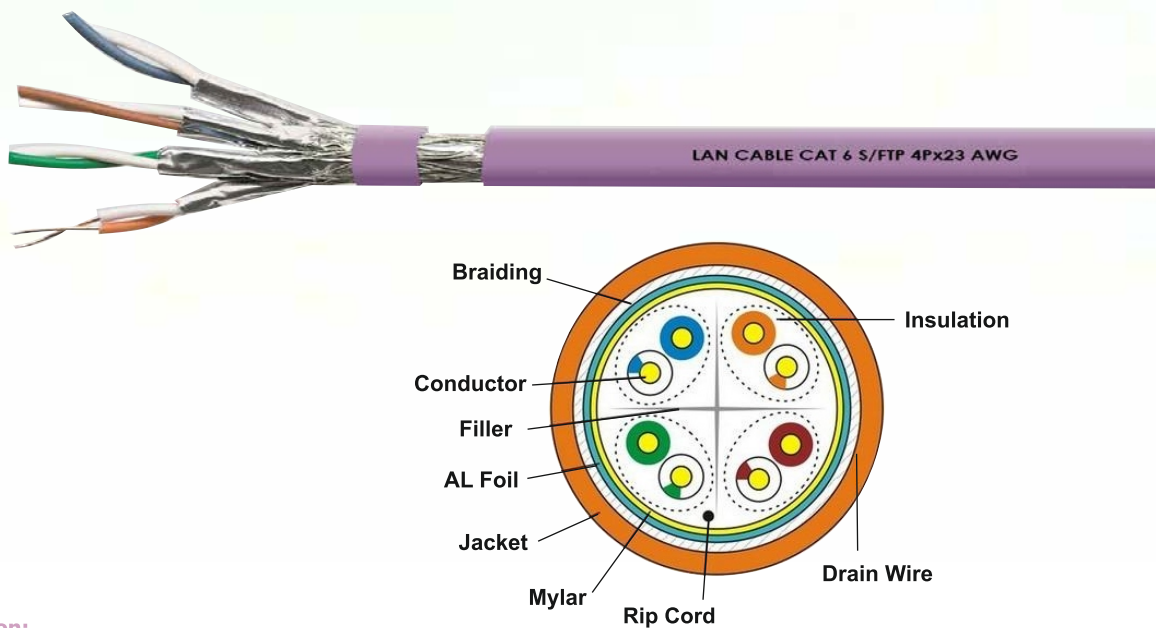


High Quality Cat6 S/FTP Cable

Description:

TechLine CAT6 SFTP Copper Solid cable transmits data over local area Networks (LANs). These cables exceed performance requirements specified by the TIA/EIA 568-B.2-1



Application:

CAT6 SFTP Cable with aluminum polyester foil plus tinned copper braid overall screening gives protection against dyEMI and avoid signal loss and high ACR values- providing low BER (Bit-Erase-rater). The superior insulation around the 23 AWG copper wires attribute to the increased performance, These cables are used in the tertiary, but also in the secondary level of a network. They are characterized by large performance reserves and outstanding performance. They can be used to implement services such as Gigabit Ethernet. .They can transmit data at 1000 Mbps (~1 Gigabit per second) with a frequency of 250 MHz and suitable for 10BASE-T, 100BASE TX Fast Ethernet and 1000BASE-T/1000BASE-TX (Gigabit Ethernet). Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 base-T) standard. Operates at bandwidth of 250 MHz,The mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction.

Standard:

TIA/EIA 568-B.2-1 and ISO/IEC 11801, UL 444,Flame retardant to IEC60332-1 ,Smoke density acc.to IEC61034,Halogen-Free acc. To IEC60754-2.

Construction Characteristics:

conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.57 ± 0.008
Insulation	Material	HDPE
	Min. Thickness	0.22 mm
	AVG. Thickness	0.24 mm
	Diameter	1.0 ± 0.05
	Colors	Blue- White/Blue
		Orange-White/Orange
		Green- White/Green
Brown – White/Brown		
Inner Metal Shield		Tape Aluminum 100 %
Outer wire mesh shield		tinned Copper
Jacket	Material	PVC / LSZH
	Min. Thickness	0.55mm
	AVG. Thickness	0.60mm
	Diameter	7.2 ± 0.40
	Rip Cord	Nylon
	Color	Per request
Filler	Filler	PVC / MDPE

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Electrical & Physical Characteristics:

Operating Temperature Range	-20 °C + 75 ° C
Conductor Resistance	Max 72.2ohm/km at 20° C
Dielectric Strength	Min AC 1.7KV
Spark Test	3 KV (Max)
DC Resistance Unbalance	Max 5 %
Pair-to-Ground Capacitance Unbalance	Max 3300pF/km
Characteristic Impedance	100 ± 15 Ohm
Nominal Velocity of Propagation (%)	67 ~69
Propagation Delay	Max 536ns/100m
Delay Skew	Max 45ns/100m

CHARACTERISTICS PER 100M

Frequency (MHz)	Insertion Loss (dB/100m)	Return Loss (dB)	NEXT (dB)	PS NEXT (dB)	ELFEXT (dB)	PS ELFEXT (dB)	ACR (dB)	PS ACR (dB)
1	2.0	20.0	74.3	72.3	67.8	64.8	72.3	70.3
4	3.8	23.0	65.3	63.3	55.8	52.8	61.5	59.5
8	5.3	24.5	60.8	58.8	49.7	46.7	55.5	53.5
10	6.0	25.0	59.3	57.3	47.8	44.8	53.3	51.3
16	7.6	25.0	56.2	54.2	43.7	40.7	48.6	46.6
20	8.5	25.0	54.8	52.8	41.8	38.8	46.3	44.3
25	9.5	24.3	53.3	51.3	39.8	36.8	43.8	41.8
31.25	10.7	23.6	51.9	49.9	37.9	34.9	41.2	39.2
62.5	15.4	21.5	47.4	45.4	31.9	28.9	32.0	30.0
100	19.8	20.1	44.3	42.3	27.8	24.8	24.5	22.5
200	29.8	18.0	39.8	37.8	21.8	18.8	10.8	8.8
250	32.8	17.3	38.3	36.3	19.8	16.8	5.5	3.5

ORDERING INFORMATION:

TLC6SU- X1-X2

Length					
please specify a number in meter					
G	Grey	R	Red	Br	Brown
B	Blue	A	Aqua	Wh	White
Y	Yellow	G	Green	Bl	Black
O	Orange	N	Navy Blue	Cu	Custom
P	Pink	V	Violet		

Note: Cable reel comes in a standard length of 305m or 500m