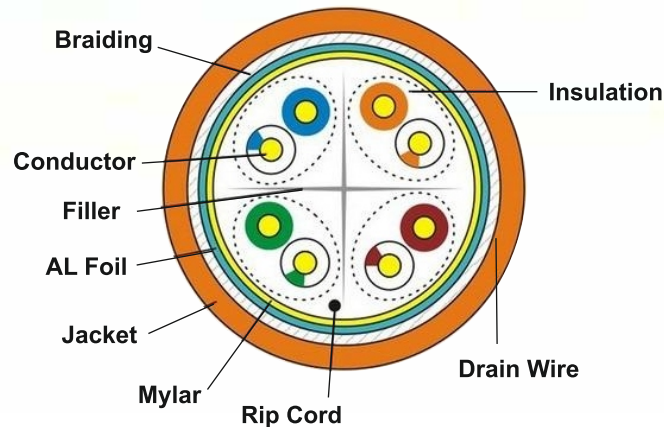


High Quality Cat6A S/FTP Cable

Description:

TechLine CAT6A cable is a 4pr S/FTP with individual pair foils and an overall braid offering superior performance in terms of ACR. It is fully compliant with the CAT6A standards and when installed together with the GG45 LANmark-7 connector as a system is guaranteed to exceed all channel requirements in all configuration scenarios (up to 4-connector channels).



Application:

CAT6A S/FTP Cable with aluminum polyester foil per each pair, plus shielded copper braid overall screening gives protection against dynamic noise between individual signals, EMI and avoid signal loss and high ACR values - providing low BER (Bit-Error-Rate). CAT6A cable System complies with all of the performance requirements for current and proposed applications, 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 10 Gigabit Ethernet, Gigabit Ethernet with a frequency of 500 MHz and suitable for 10/100BASE-T, 1000BASE-TX. Enhanced performance cable for transmission of high speed data, token ring, 155 Mbps ATM, 100 Mbps TTPMD, ISDN, analog and digital video and analog and digital voice (VoIP). Operates at bandwidth of 500 MHz, The mechanical characteristics are perfectly suited for the application in tight cable channels and platforms due to their optimized construction.



Standard:

TIA/EIA -B.2-10 and ISO/IEC 11801, UL 444, Flame retardant to IEC60332-1, Smoke density acc. to IEC61034, Halogen-Free acc. To IEC60754-2.

High Quality Cat6A S/FTP Cable

Construction Characteristics:

conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.574 ± 0.008
Insulation	Material	HDPE
	Min. Thickness	0.3 mm
	AVG. Thickness	0.4 mm
	Diameter	1.20 ± 0.10
	Colors	Blue- White/Blue Orange-White/Orange Green- White/Green Brown – White/Brown
Shield Individual Pair Coverage %		Tape Aluminum 100 %
Shield Over All (optional)		Tined Copper
Jacket	Material	PVC / LSZH
	Min. Thickness	0.60mm
	AVG. Thickness	0.65mm
	Diameter	7 ± 0.30
	Rip Cord	Nylon
	Color	Per request

Electrical & Physical Characteristics:

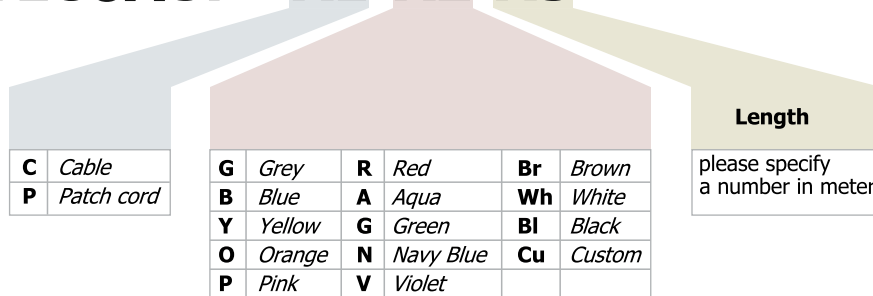
Operating Temperature Range	-20 °C + 75° C
Conductor Resistance	Max 72.2ohm/km at 20 C
Dielectric Strength	Min 2.5 KV (DC)
Spark Test	3.0 KV (max)
DC Resistance Unbalance	Max 4 %
Pair-to-Ground Capacitance Unbalance	Max 3300pF/km
Nominal Velocity of Propagation (%)	78
Propagation Delay	Max 536ns/100m
Delay Skew	Max 25ns/100m

CHARACTERISTICS PER 100M @ 20 °C – 3 °C (68 °F – 5.5°F).

Frequency (MHz)	Insertion Loss (dB/100m)	Return Loss (dB)	NEXT (dB)	PSNEXT (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	3.7	23.0	65.3	63.3	55.8	52.8	61.6	59.6
8	5.2	24.5	60.8	58.8	49.7	46.7	55.6	53.6
10	5.9	25.0	59.3	57.3	47.8	44.8	53.4	51.4
16	7.4	25.0	56.2	54.2	43.7	40.7	48.8	46.8
20	8.3	25.0	54.8	52.8	41.8	38.8	46.5	44.5
25	9.3	24.3	53.3	51.3	39.8	36.8	44	42
31.25	10.4	23.6	51.9	49.9	37.9	34.9	41.5	39.5
62.5	14.9	21.5	47.4	45.4	31.9	28.9	32.5	30.5
100	19.0	20.1	44.3	42.3	27.8	24.8	25.3	23.3
200	27.5	18.0	39.8	37.8	21.8	18.8	12.3	10.3
250	31	17.3	38.3	36.3	19.8	16.8	7.3	5.3
300	34.2	16.8	37.1	35.1	18.3	15.3	2.9	-0.9
400	40.0	15.9	35.3	33.3	15.8	12.8	-4.7	-6.7
500	45.3	15.2	33.8	31.8	13.8	10.8	-11.5	-13.5

ORDERING INFORMATION:

TLC6ASF - X1-X2-X3



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