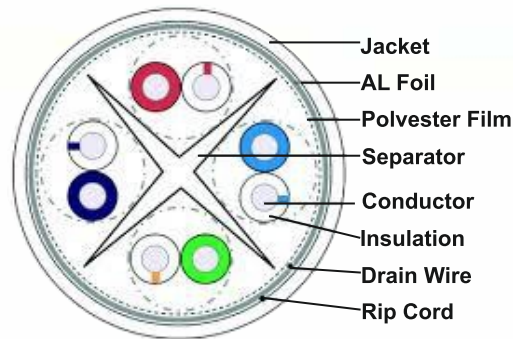


High Quality Cat6A F/UTP Cable

Description:

TechLine CAT6A F/UTP Copper Solid cable transmits data over local area Networks (LANs). These cables exceed performance requirements specified by the TIA/EIA 568-C.2



Application:

Techline Category 6A F/UTP cable supports channel performance exceeding ANSI/TIA-568-C.2 and ISO/IEC 11801 Class E A requirements. When combined with our screened Category 6A series connectivity, the result is a channel capable of supporting 10GBASE-T operation over 100-metre, 4-connector topologies. In addition the screened construction ensures virtually zero alien crosstalk. The Category 6A F/UTP cabling system supports emerging and converging IP applications like Voice Over IP (VoIP), IP video and future 10 gigabit applications.



Standard:

TIA/EIA 568-C.2 and ISO/IEC 11801, UL 444, Flame retardant to IEC60332-1

High Quality Cat6A F/UTP Cable

Construction Characteristics:

conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.570 ± 0.010
Insulation	Material	HDPE
	Min. Thickness	0.23 mm
	AVG. Thickness	0.250mm
	Diameter	1.10 ±0.10
	Colors	Blue- White/Blue Orange-White/Orange Green- White/Green Brown – White/Brown
Shield Coverage %		Tape Aluminum 100
Drain Wire (Tinned Copper)		26 AWG
	Material	PVC / LSZH
	Min. Thickness	0.55mm
	AVG. Thickness	0.60mm
	Diameter	6.9 ±0.30
	Rip Cord	Nylon
	Color	Per request
	Filler	MDPE

Electrical & Physical Characteristics:

Operating Temperature Range	-20 °C + 75° C
Conductor Resistance	Max 72.2 Ohm/km at 20° C
Dielectric Strength	Min AC 1.7KV
Spark Test	3.0KV (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 @20 °C

Frequency (MHz)	Insertion Loss (dB/100m)	Return Loss (dB)	NEXT (dB)	PSNEXT (dB)	TCL (dB)	ACRF (dB)	PS ACRF (dB)
1	2.0	20.0	74.3	73.3	40.0	67.8	64.8
4	3.8	23.0	65.3	63.3	40.0	55.8	52.8
8	5.3	24.5	60.8	58.8	40.0	49.7	46.7
10	6.0	25.0	59.3	57.3	40.0	47.8	44.8
16	7.6	25.0	56.2	54.2	38.0	43.7	40.7
20	8.5	25.0	54.8	52.8	37.0	41.8	38.3
25	9.5	24.3	53.3	51.3	36.0	39.8	36.8
31.25	10.7	23.6	51.9	49.9	35.1	37.9	34.9
62.5	15.4	21.5	47.4	45.4	32.0	31.9	28.9
100	19.8	20.1	44.3	42.3	30.0	27.8	24.8
200	29.8	18.0	39.8	37.8	27.0	21.8	18.8
250	32.8	17.3	38.3	36.3	26.0	19.8	16.8
300	34.3	16.8	37.1	35.1	25.2	18.3	15.3
400	40.1	15.9	35.3	33.3	24.0	15.8	12.8
500	45.3	15.2	35.0	32.8	23.0	13.8	10.8

ORDERING INFORMATION:

TLC6AFU- X1-X2-X3

C	Cable
P	Patch cord

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		

Length

please specify a number in meter

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