

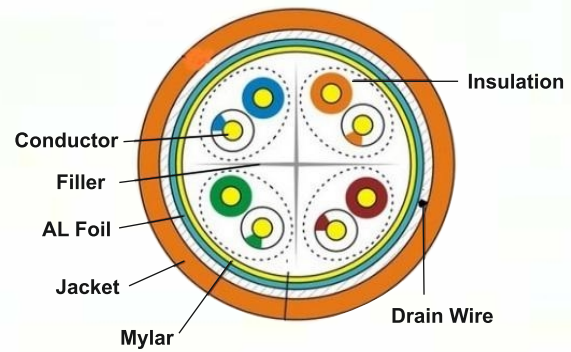
High Quality Cat6 F/UTP Cable

Application:

CAT6 F/UTP cables reduce crosstalk and system noise.

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.

Construction Characteristics:

conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.57 ± 0.008
Insulation	Material	HDPE
	Min. Thickness	0.20 mm
	AVG. Thickness	0.220mm
	Diameter	1.05 ± 0.05
	Colors	Blue- White/Blue Orange-White/Orange Green- White/Green Brown – White/Brown
Shield Coverage %		Tape Aluminum 100 %
Jacket	Material	PVC / LSZH
	Min. Thickness	0.55mm
	AVG. Thickness	0.60mm
	Diameter	6.6 ± 0.30
	Rip Cord	Nylon
	Color	Per request
Filler	Filler	MDPE

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Electrical & Physical Characteristics:

Operating Temperature Range	-20 °C + 75° C
Conductor Resistance	Max 72.2 Ohm/kmat 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 – 3 °C (68 °F – 5.5°F).

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:

TLC6FU- X1-X2

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

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