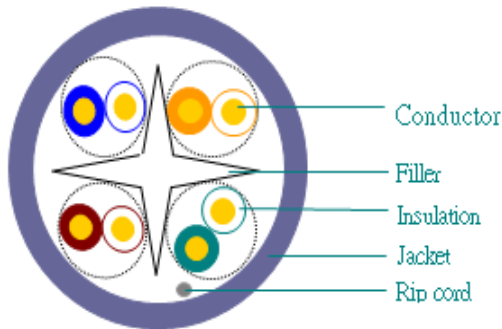


CAT6 U-UTP 0.51mm LSZI

Part No.:

Cross Section



Marking

TBD

Description

Application

Horizontal Wiring in LAN

Reference Standard

EIA/TIA568 & ISO/IEC 11801

Construction

Conductor	Solid Bare Copper
Conductor Dia. (mm)	0.51
Insulation	PE
Average Thickness(mm)	0.21
Insulation Dia.(±0.05mm)	0.93
Twisting Lay Length(mm)	30underneath
Cabling Lay Length(mm)	200underneath
Filler(CROSS)	PE
Jacket	LSZH
Average Thickness(±0.05mm)	0.52
Min. Point Thickness(mm)	0.46
Outer Dia.(±0.2mm)	5.90
Rip Cord	YES
Weight(kg/km)	-----

Color

Insulation colors are:

Blue, White/Blue
 Orange, White/Orange
 Green, White/Green
 Brown, White/Brown

Jacket colors:

Per customer request

Part No.:

Ref. spec No.:

Revision History

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB/100m)	PSNEXT (dB/100m)	Return Loss >=dB
1	2.05	74.3	72.3	20
4	3.8	65.3	63.3	23
10	6.0	59.3	57.3	25
16	7.6	56.2	54.2	25
20	8.5	54.8	52.8	25
31.25	10.7	51.9	49.9	24
62.5	15.4	47.4	45.4	22
100	19.8	44.3	42.3	20
200	29	39.8	37.8	18.0
250	32.8	38.3	36.3	17.3

Frequency (MHz)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	SRL (dB/100m)	Delay (ns/100m)
1	67.8	64.8	>23	570.0
4	55.8	52.8		552.0
10	47.8	44.8		545.4
16	43.7	40.7		543.0
20	41.8	38.8		542.0
31.25	37.9	34.9		540.4
62.5	31.9	28.9		538.6
100	27.8	24.8		537.6
200	21.8	18.8		536.5
250	19.8	16.8		23-10Log(f/20)

1.0-250MHz Impedance (ohms)	100 ± 15
1.0-250.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	<=5
NVP	67%