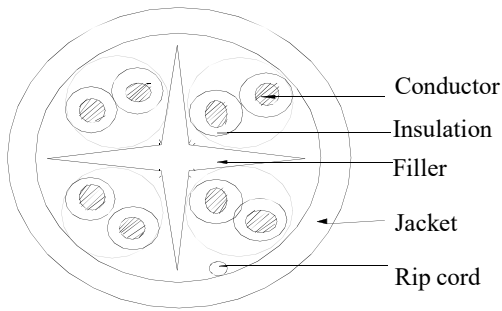


4 PAIR 23AWG CAT6 UTP CABLE

Cross Section



Marking

Description

Rated Temperature (°C)	75
Product Standard Certification	
Flammability Test	IEC60332-1
Application	
Horizontal Wiring in LAN	
Reference Standard	
UL Subject 444,EIA/TIA568 & ISO/IEC 11801 IEC61156-5	

Construction

Conductor	Solid Bare Copper
AWG	
Conductor Dia.Nom (mm)	0.53
Insulation	Soild PE
Average Thickness(±0.03mm)	0.2
Min. Point Thickness(mm)	
Insulation Dia.(±0.05mm)	0.92
Twisting Lay Length(mm)	30underneath
Cabling Lay Length(±20mm)	120
Filler	PE
Jacket	LSZH
Average Thickness(±0.05mm)	0.5
Min. Point Thickness(mm)	0.4
Outer Dia.(±0.2mm)	5.3
Rip Cord	YES

Color

Insulation colors are:

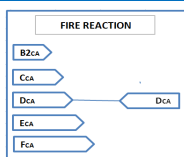
Blue,White/Blue
Orange,White/Orange
Green,White/Greer
Brown,White/Brown

Jacket colors: According to customer's request

Package

305M/PULLBOX
305M/WOODEN REEL
Package length can be adjusted according to customer's request

Certificate



Performance

Electrical Characteristics:

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
1	20.0	2.0	74.3	72
4	23.0	3.8	65.3	61
8	24.5	5.3	60.8	55
10	25.0	6.0	59.3	53
16	25.0	7.6	56.2	49
20	25.0	8.5	54.8	46
25	24.3	9.5	53.3	44
31.25	23.6	10.7	51.9	41
62.5	21.5	15.4	47.4	32
100	20.1	19.8	44.3	25
150	18.9	24.7	41.7	16.9
200	18	29.0	39.8	10.8
250	17.3	32.8	38.3	5.5

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
1	72.3	67.8	64.8	570.0
4	63.3	55.8	52.8	552.0
8	58.8	49.7	46.7	546.7
10	57.3	47.8	44.8	545.4
16	54.2	43.7	40.7	543.0
20	52.8	41.8	38.8	542.0
25	51.3	39.8	36.8	541.2
31.25	49.9	37.9	34.9	540.4
62.5	45.4	31.9	28.9	538.6
100	42.3	27.8	24.8	537.6
150	39.7	24.3	21.3	536.9
200	37.8	21.8	18.8	536.5
250	36.3	19.8	16.8	536.3

1.0-250.0MHz Input 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
Insulation resistance(GΩ *KM)	≥=5
Min Installed Bend Radius	61
NVP	65%
Max operating voltage(v)	300
Max mutual capacitance (nF/100m)	5.6

Careltech®