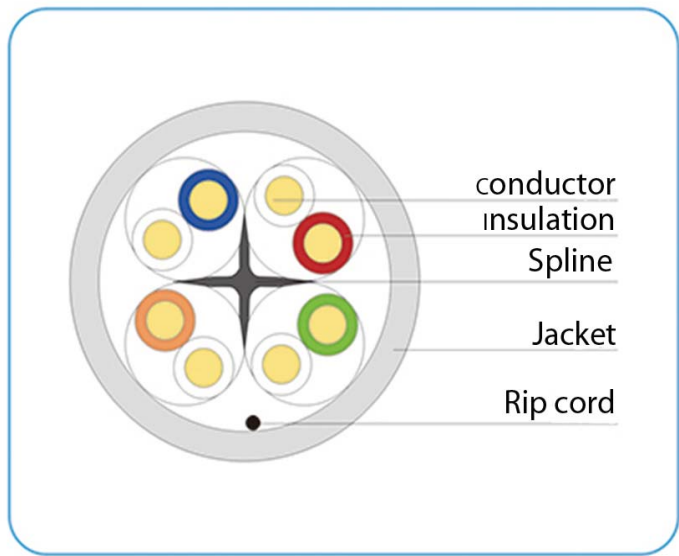


CAT6 UTP LAN CABLE

Part No.: UPC-6004E-SO

Cross Section



Performance

Electrical Characteristics:

Frequency (MHz)	Return loss (dB)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)
1.0	20.0	1.9	74.0	68
4.0	23.1	3.7	65.0	56
10.0	25.0	5.9	59.0	48
16.0	25.0	7.5	56.0	44
20.0	25.0	8.4	55.0	42
31.0	23.6	10.6	52.0	38
62.0	21.5	15.4	47.0	32
100.0	20.1	19.8	44.0	28
200.0	18.0	29.0	40.0	22
250.0	17.3	32.8	38.0	20

Marking

According to customers' requirements

Description

Rated Temperature (°C) 75

Product Standard Certification CE

Flammability Test CM

Application

Horizontal Wiring in LAN

Reference Standard

EIA/TIA568B.2 & ISO/IEC 11801

Construction

Conductor Solid Bare Copper


AWG 24

Conductor Dia. (±0.001mm) 0.51

Insulation HDPE

Average Thickness(±0.001mm) 0.28

Frequency (MHz)	PSNEXT (dB)	ELFEXT (dB/100m)	PSELFEXT (dB/100m)	Delay (ns/100m)
0.772	64.0	66.0	63.0	575.0
1	62.3	63.8	60.8	570.0
4	53.3	51.7	48.7	552.0
8	48.8	45.7	42.7	546.7
10	47.3	43.8	40.8	545.4
16	44.3	39.7	36.7	543.0
20	42.8	37.7	34.7	542.0
25	41.3	35.8	32.8	541.2
31.25	39.9	33.9	30.9	540.4
62.5	35.4	27.8	24.8	538.6
100	32.3	23.8	20.8	537.4

Min. Point Thickness(mm)	0.23	1.0-100.0MHz	Impedance (ohms)				100 ± 15
Insulation Dia.(± 0.005mm)	1.08	1.0-100.0MHz	Delay Skew (ns/100m)				<=45
Twisting Lay Length(mm)	≤30	Capacitance Unbalance (pF/100m)					<=330
MY(mm)	25						
DRAIN WIRE(mm)	0.45						
AL(mm)	25						
Cabling Lay Length(± 20mm)	130	Conductor DC Resistance 20°C					78
outer Jacket	PVC	Resistance Unbalance (%)					<=5
Average Thickness(mm)	0.6	Mechanical Characteristics:					
Min. Point Thickness(mm)	0.55						
Outer Dia.(± 0.2mm)	6.3						
Rip Cord	Per request	Test Object					Jacket
		Test Material					PVC
		Before	Tensile Strength (Mpa)				>=13.8
		Aging	Elongation (%)				>=100
		Aging Condition (°Cxhrs)					100x240
		After	Tensile Strength (Mpa)				>=85% of unaged
		Aging	Elongation (%)				>=50% of unaged
		Cold Bend(-20 ±2°Cx4hrs)					No crack
Color		 <p>Cablexpert[®]</p> <p>Gembird Electronics LTD 2F, B Bulding, Shifeng Science and technology Park, Huaning Road, Xinwei Village Dalang Street, Longhua, Bao An, Shenzhen, China</p>					
Insulation colors are:							
Blue,White/Blue							
Orange,White/Orange							
Green,White/Green							
Brown,White/Brown							
Jacket colors:							
Grey							