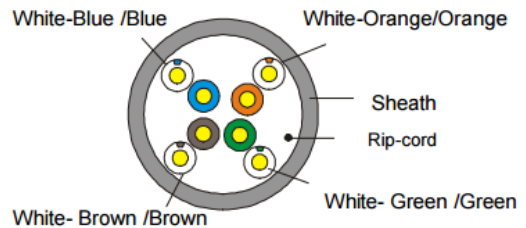


## CAT5E UTP Cable

### Specification :

Construction							
Conductor	Material	Solid Bare Copper					
	Diameter (mm)	24AWG,					
Insulation	Material	HDPE					
	Diameter (mm)	0.89±0.05					
Core color	1.white-blue/blue	2.white-orange/orange					
	3.white-green/green	4.white-brown/brown					
Rip cord: 210D							
Sheath	Material	LSZH					
	Thickness (mm)	0.6±0.1					
	Diameter (mm)	5.3 ±0.5					
	Color	Gray					
Surface printing	Letter high (mm)	3.0 ± 0.5					
	Color	Black					
	Print error & Space	≤± 0.5% , 1m					
Package:Box		Package Length: 300m					
Box Dimensions	375*225*375						
Electrical Properties							
Conductor Resistance (20°C)		≤9.38 Ω/ 100m					
Electrical Resistance Unbalance ( 20°C)		≤2.0 %					
Insulation Resistance		>5000 MΩ·km					
Pair to Ground Capacitance Unbalance ( 0.8 KHz or 1KHz)		≤160 pF/100m					
Mutual capacitance of a pair		≤5.6nF/100m					
Transmission Properties							
Freq MHZ	Zin	IL	RL	NEXT	PS NEXT	ELFEXT	PS ELFEXT
	Ω	dB/100m	dB	dB/100m	dB/100m	dB/100m	dB/100m
1.0	100±15	≤2.04	≥20.0	≥65.30	≥62.30	≥64.00	≥61.00
4.0		≤4.05	≥23.0	≥56.27	≥53.27	≥51.96	≥48.96
8.0		≤5.77	≥24.5	≥51.75	≥48.75	≥45.94	≥42.94
10.0		≤6.47	≥25.0	≥50.30	≥47.30	≥44.00	≥41.00
16.0		≤8.25	≥25.0	≥47.24	≥44.24	≥39.92	≥36.92
25.0		≤10.42	≥24.3	≥44.3	≥41.30	≥36.00	≥33.12
31.25		≤11.71	≥23.6	≥42.89	≥39.89	≥34.12	≥31.12
62.5		≤16.99	≥21.5	≥38.36	≥35.36	≥28.08	≥25.08
100		≤21.98	≥20.1	≥35.30	≥32.30	≥24.00	≥21.00
Environment Temperature							
Store		-10~+50°C		Installation	-5~+40	Work	-20 ~ +60
Ordering Information							
Part No.: IB-CAT5E-XX-L				CAT5E 4-PAIR UTP CABLE, 305M/BOX, LSZH			



Remarks: XX = Color, Black=BK, Blue=BL, Grey=GY, White=WH, Purple=PL