

CAT.6A U/FTP Cable

Conductor		Material	Solid Bare Copper					
		Diameter (mm)	0.575±0.005					
Insulation		Material	Skin-foam-skin PE					
		Diameter (mm)	1.38±0.03					
Core color		1 white /blue	2 white /orange					
		3 white /green	4 white/brown					
Polyester tap	No	Aluminum foil	14 mm×4					
Rip cord	21D*3	Drain wire	0.5mm TC					
Construction		U/FTP 4Pairs - Shielded						
Sheath		Material	LSZH					
		Thickness	0.75±0.15mm					
		Diameter	8.2±0.3mm					
		Color	Medium Grey / Black					
Surface printing		Letter high	3.0 ± 0.5mm					
		Color	Black / White					
		Print error & Space	≤± 0.5% , 1m					
Package	Drum in box	Package Length	305m					
Electrical Properties								
Conductor Resistance (20°C)					≤7.38 Ω/ 100m			
Electrical Resistance Unbalance (20°C)					≤2.5%			
Insulation Resistance					>5000 MΩ·km			
Pair to Ground Capacitance Unbalance (0.8 kHz or 1kHz)					≤330 pF/100m			
Mutual capacitance of a pair					≤5.6 nF/100m			
Transmission Properties								
Feq MHz	PHASE DELAY	IL	RL	NEXT	PS NEXT	ELFEXT	PS ELFEXT	
	≤ns/100m	≤dB/100m	≥dB	≥dB/100m	≥dB/100m	≥dB/100m	≥dB/100m	
1.0	570	2.1	20.0	74.3	72.3	68.0	65.0	
4.0	552	3.8	23.0	66.3	63.3	56.0	53.0	
8.0	547	5.3	24.5	61.8	58.8	49.9	46.9	
10.0	545	5.9	25.0	60.3	57.3	48.0	45.0	
16.0	543	7.5	25.0	57.2	54.2	43.9	40.9	
20.0	542	7.4	25.0	55.8	52.8	42.0	39.0	
25.0	541	9.4	24.3	54.3	51.3	40.0	37.0	
31.25	540	10.5	23.6	52.9	49.9	38.1	35.1	
62.5	539	15.0	21.5	48.4	45.4	32.1	29.1	
100	538	19.1	20.1	45.3	42.3	28.0	26.0	
200	537	27.6	18.0	40.8	37.8	22.0	19.0	
250	536	31.1	17.3	39.3	36.3	20.0	17.0	
300	536	34.3	17.3	38.1	35.1	18.5	15.5	
400	536	40.1	17.3	36.3	33.3	16.0	13.0	
500	536	45.3	17.3	34.8	31.8	14.0	11.0	
Environment Temperature								
Store		-10~+50°C		Installation	-5~+40	Work	-20 ~ +60	
Ordering Information								
Part No.		IB-CAT6A-UFTP-XX-L (XX = Color, BL=-BLUE, WH=WHITE, YL=YELLOW, PL=PURPLE)						