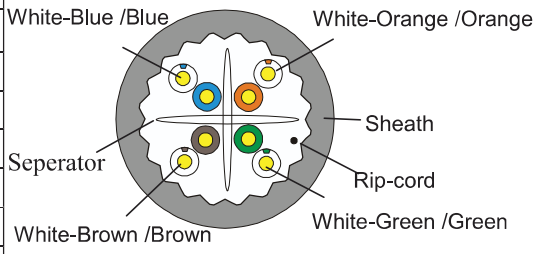


CATEGORY 6A PLENUM CABLE, 4 PAIR, UTP, UL CMP

CAT6A UTP PLENUM - 10GBASE-T, 600MHz 23AWG SOLID BC 4PR, UTP, ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS Ea, UL CMP FT6 JKT, PoE/PoH IEE 802.3bt TYPE 4

Part Number:	Jacket Color:
CAT6A-P-BK	Black
CAT6A-P-BL	Blue
CAT6A-P-WT	White

Approvals/Ratings	UL and c(UL) CMP FT6			
Category	U-UTP-CAT6A-4P-PVC-CMP			
Test Standard	ISO/IEC11801、ANSI/TIA 568.2-D 、EN50173			
1. Conductor	Material	SOLID-Bare Copper		
	Nom. O.D. (mm)	0.565	Up +0.005	
			Down -0.005	
	Material	FEP		
Diameter	0.99±0.04mm			
Color	1.Blue, White-Blue	2.Orange,White-Orange		
	3.Green,White-Gree	4.Brown, White-Brown		
3. Filling	Plastic Separator : FEP			
4. Rip-cord	Yes	Drain wire	No	
5. Sheath	Thickness	0.45±0.05 mm		
	External O.D.	6.1±0.4 mm		
	Surface	Clean,Frap,Satiation		
	Material	PVC (complies RoHS),CMP		
	Color	According to the requires		
Surface Printing	Letter height	3.0±0.3mm		
	Color	Black		
	Print error & Space	≤±0.5%, 1m		
Packing	Drum			
Weight	18.00kgs / 39.6lbs			
Packing length	305m / 1000ft			
Sheath	Before Aging	Tensile Strength (Mpa)	≥13.5	
		Elongation (%)	≥150	
	Aging Period (°C×hrs)	100°C×24h×7d		
	After Aging	Tensile Strength (Mpa)	≥12.5	
Physical Properties		Elongation (%)	≥125	
	Cold bend (-20±2°C×4h) No visible cracks			
	Electrical Characteristics (20°C)	1.0-500.0MHz, Characteristic impedance (Ω)	100±15	
		1.0-500.0MHz, Delay Shew 20°C(ns/100m)	≤45	
DC Resistance 20°C(Ω/100m) max		9.38		
DC Conductor Resistance Unbalance (%)max		5.0		



FLUKE Technical Performance (80m)				
Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	19.1	3.0	65.0	
4.0	21.0	3.5	64.1	
8.0	21.0	5.0	59.4	
10.0	21.0	5.5	57.8	
16.0	20.0	7.0	54.6	498
20.0	19.5	7.9	53.1	
25.0	19.0	8.9	51.5	
31.25	18.5	10.0	50.0	
62.5	16.0	14.4	45.1	
100	14.0	18.6	41.8	
200	11.0	27.4	36.9	
250	10.0	31.1	35.3	
400	8.0	38.4	29.9	
500	8.0	43.8	26.7	
*600	8.0	48.7	24.0	
Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
1	62.0	64.2	61.2	
4	61.8	52.1	49.1	
8	57.0	46.1	43.1	
10	55.5	44.2	41.2	
16	52.2	40.1	37.1	
20	50.7	38.2	35.2	
25	49.1	36.2	33.2	
31.25	47.5	34.3	31.3	
62.5	42.7	28.3	25.3	
100	39.3	24.2	21.2	
200	34.3	18.2	15.2	
250	32.7	16.2	13.2	
400	27.1	12.1	9.1	
500	23.8	10.2	7.2	
*600	21.0	8.6	5.6	

Remarks: * are the reference values

Acceptance criterion: Per 4Pair pass FLUKE Permanent link test instrument.