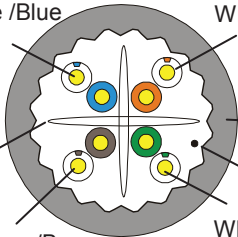


CATEGORY 6A PLENUM CABLE, 4 PAIR, UTP, UL CMP

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			White-Blue /Blue White-Orange /Orange White-Brown /Brown White-Green /Green Seperator Sheath Rip-cord 				
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			FLUKE Technical Performance (80m)				
4. Rip-cord	Yes	Drain wire	No	Frequency RL (MHz)	≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
				1	19.1	3.0	65.0	
5. Sheath	Thickness	0.45±0.05 mm		4.0	21.0	3.5	64.1	
	External O.D.	6.1±0.4 mm	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		
Material	PVC (complies RoHS),CMP		31.25	18.5	10.0	50.0		
Color	According to the requires		62.5	16.0	14.4	45.1		
Surface Printing	Letter height	3.0±0.3mm		100	14.0	18.6	41.8	
	Color	Black	200	11.0	27.4	36.9		
			250	10.0	31.1	35.3		
	Print error & Space	≤±0.5%, 1m		400	8.0	38.4	29.9	
Packing	Drum			500	8.0	43.8	26.7	
				*600	8.0	48.7	24.0	
Weight	N.W16.50KGS/ G.W 18.00KGS			Frequency PSNEXT (MHz)	≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
				1	62.0	64.2	61.2	
Packing length	305±1.5m			4	61.8	52.1	49.1	
				8	57.0	46.1	43.1	
Sheath Physical Properties	Before Aging	Tensile Strength (Mpa)	≥13.5	10	55.5	44.2	41.2	
		Elongation (%)	≥150	16	52.2	40.1	37.1	
	Aging Period (℃×hrs)	100℃×24h×7d		20	50.7	38.2	35.2	
		After Aging	Tensile Strength (Mpa)	≥12.5	25	49.1	36.2	33.2
	Elongation (%)		≥125	31.25	47.5	34.3	31.3	
	Cold bend (-20±2℃×4h)	No visible cracks		62.5	42.7	28.3	25.3	
		Electrical Characteristics (20℃)	1.0-500.0MHz, Characteristic impedance (Ω)	100±15	100	39.3	24.2	21.2
	1.0-500.0MHz, Delay Shew 20℃(ns/100m)		≤45	200	34.3	18.2	15.2	
	DC Resistance 20℃(Ω/100m) max	9.38		250	32.7	16.2	13.2	
		DC Conductor Resistance Unbalance (%)max	5.0	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.