

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

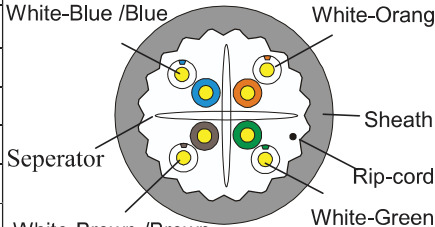
CAT6A UTP PLENUM - 10GBASE-T, 600MHZ 23AWG SOLID BC 4PR,
UTP, ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS Ea, UL CMP FT6 JKT,
PoE/PoH IEEE 802.3bt TYPE 4

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									
	Color	Material	FEP										
Diameter		0.99±0.04mm											
3. Filling	1.Blue, White-Blue	2.Orange,White-Orange											
	3.Green,White-Gree	4.Brown, White-Brown											
4. Rip-cord	Yes	Drain wire	No	FLUKE Technical Performance (80m)									
5. Sheath	Thickness	0.45±0.05 mm			Frequency RL (MHz)	≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns				
	External O.D.	6.1±0.4 mm			1	19.1	3.0	65.0	498				
	Surface	Clean,Frap,Satiation			4.0	21.0	3.5	64.1					
	Material	PVC (complies RoHS),CMP			8.0	21.0	5.0	59.4					
	Color	According to the requires			10.0	21.0	5.5	57.8					
	Surface Printing	Letter height	3.0±0.3mm			16.0	20.0	7.0		54.6			
Color		Black			20.0	19.5	7.9	53.1					
Print error & Space		≤±0.5%, 1m			25.0	19.0	8.9	51.5					
Packing		Drum			31.25	18.5	10.0	50.0					
Weight	18.00kgs / 39.6lbs			62.5	16.0	14.4	45.1						
Packing length	305m / 1000ft			100	14.0	18.6	41.8						
Sheath	Before Aging	Tensile Strength (Mpa)	≥13.5	Frequency PSNEXT (MHz)					ELFEXT ≥dB	PSELFEXT ≥dB			
		Elongation (%)	≥150	1					62.0	64.2	61.2		
	Aging Period (℃×hrs)	100℃×24h×7d			4					61.8	52.1	49.1	
	Physical Properties	After Aging	Tensile Strength (Mpa)	≥12.5	8					57.0	46.1	43.1	
		Elongation (%)	≥125	10					55.5	44.2	41.2		
Electrical Characteristics (20℃)		Cold bend (-20±2℃×4h)	No visible cracks			16					52.2	40.1	37.1
		1.0-500.0MHz, Characteristic impedance (Ω)	100±15			20					50.7	38.2	35.2
	1.0-500.0MHz, Delay Shew 20℃(ns/100m)	≤45			25					49.1	36.2	33.2	
	DC Resistance 20℃(Ω/100m) max	9.38			31.25					47.5	34.3	31.3	
DC Conductor Resistance Unbalance (%)max	5.0			62.5					42.7	28.3	25.3		
				100					39.3	24.2	21.2		
				200					34.3	18.2	15.2		
Remarks: * are the reference values				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		

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