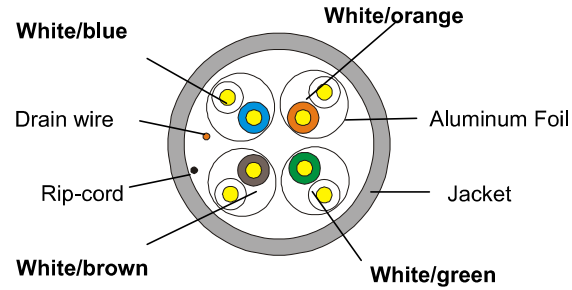




**SCP PART#: CAT6A-SHP**

<b>Description</b>		CAT6A U/FTP PLENUM - 10GBASE-T, 600 MHz 23AWG SOLID BC 4PR, U/FTP, ANSI/TIA 568.2-D, ETL CMP			
		BLUE JKT - 1000 FT/ 305 M SPOOL			
Content of the Data Sheet					
<b>Sheath Printing</b>		STRUCTURED CABLE PRODUCTS --- P/N CAT6A-SHP --- CAT6A CMP AUGMENTED 600 MHz U/FTP ETL VERIFIED , ANSI/TIA 568.2-D ISO/IEC 11801 CLASS E(A) 4PR 23AWG 75C CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 **** FEET MM/YY			
<b>Category</b>		U/FTP- CAT6A-4P-PVC-CMP			
<b>Test Standard</b>		ISO/IEC11801,ANSI/TIA 568.2-D			
<b>Conductor</b>		<b>Material</b>		SOLID-Bare Copper	
		<b>Nom.O.D.(mm)</b>		0.560	up +0.005 down -0.005
<b>Insulation</b>		<b>Material</b>		foam-FEP	
		<b>Diameter</b>		1.340±0.08 mm	
<b>Screening Material</b>		Aluminum Foil	Drain wire	Yes	
<b>Drain wire Material</b>		Tinned Copper	Voltage Rating	300V	
<b>Sheath</b>		<b>Thickness</b>		0.50±0.05 mm	
		<b>External O.D.</b>		7.3±0.5 mm	
		<b>Surface</b>		Clean	
		<b>Material</b>		PVC(complies RoHS),CMP	
		<b>Color</b>		Multiple	
<b>Surface Printing</b>		<b>Letter height</b>		3.0±0.3mm	
		<b>Color</b>		Black	
		<b>Print error &amp; Space</b>		≤±0.5%, 1m	
		<b>Core Color (With striped color)</b>		1 White/Blue	2 White/Orange
<b>Packing</b>		Wooden reel, 36 reels each pallet			
		Weight:		N.W.:21.00KGS / G.W: 22.50KGS	
<b>Packing length</b>		305±1.0m			
<b>Rip-cord</b>		Yes			
<b>Physical Properties</b>		<b>Before Aging Tensile Strength (Mpa)</b>		≥13.5	
		<b>Elongation (%)</b>		≥150	
		<b>Aging Period (°C×hrs)</b>		100°C×24h×7d	
		<b>After Aging Tensile Strength (Mpa)</b>		≥12.5	
		<b>Elongation (%)</b>		≥125	
<b>Cold bend (-20±2°C×4h) 8×Cable O.D.,</b>		No visible cracks			
<b>Electrical Characteristics (20°C)</b>		<b>Delay Skew (ns/100m)</b>		≤45	
		<b>Velocity of Propagation (%)</b>		76	
		<b>unbalanced-to-ground capacitance (pf/100m) max</b>		330	
		<b>DC Resistance (Ω/100m) max</b>		9.38	
		<b>DC Conductor Resistance Unbalance (%) max</b>		5.0	
				Remarks: * are the reference values	



FLUKE Channel Technical Performance (<90m)

Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
1	19.0	3.0	65.0	
4.0	19.0	4.2	63.0	
8.0	19.0	5.8	58.2	
10.0	19.0	6.5	56.6	
16.0	18.0	8.2	53.2	498
20.0	17.5	9.2	51.6	
25.0	17.0	10.2	50.0	
31.25	16.5	11.5	48.4	
62.5	14.0	16.4	43.4	
100	12.0	20.9	39.9	
200	9.0	30.1	34.8	
250	8.0	33.9	33.1	
400	6.0	43.7	28.7	
500	6.0	49.3	26.1	
*600	6.0	54.5	24.0	

Frequency (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1	62.0	63.3	60.3
4	60.5	51.2	48.2
8	55.6	45.2	42.2
10	54.0	43.3	40.3
16	50.6	39.2	36.2
20	49.0	37.2	34.2
25	47.3	35.3	32.3
31.25	45.7	33.4	30.4
62.5	40.6	27.3	24.3
100	37.1	23.3	20.3
200	31.9	17.2	14.2
250	30.2	15.3	12.3
400	25.8	11.2	8.2
500	23.2	9.3	6.3
*600	21.1	8.2	5.2