



Structured Cable Products®

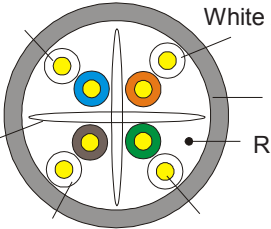
Quality Installations Deserve Quality Products

www.scp5e.com
sales@scp5e.com
Direct: 954-327-5770
Toll Free: 866-470-5742

SCP PART#: CAT6-P-BL

Rev03/20

CAT6 PLENUM- ENHANCED 550 MHz SOLID BC 4PR UTP, ANSI/TIA 568.2-D, ISO/IEC 11801 CLASS E, UL CMP FT6, JKT- BLUE - 1000 FT/305M REEL IN BOX

Sheath Printing	STRUCTURED CABLE PRODUCTS P/N CAT6-P - CAT6 ENHANCED 550 MHz UTP VERIFIED TO ANSI/TIA 568.2-D E198134 -Z (UL) CMP 4PR 23AWG 75C---EU RoHS EC **** FEET MM/YY									
Category	U/UTP CAT6-4P-CMP PVC					White/Blue White /Orange Sheath Seperator White /Brown White /Green Rip-cord 				
Test Standard	ISO/IEC11801 ANSI/TIA 568.-D YD/T1019									
Conductor	Material	SOLID-Bare Copper								
	Nom.O.D.(mm)	0.565	up	+0.005						
		down	-0.005							
Insulation	Material	FEP								
	Diameter	1.00±0.04mm								
Sheath	Thickness	0.45±0.05mm				Technical Performance (100m):				
	External O.D.	5.8±0.4 mm				Frequency RL (MHz)	≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns
	Surface	Clean,Frap,Satiation				1	20.0	2.1	74.3	570.0
	Material	CMP PVC(complies RoHS)				4.0	23.0	3.8	65.3	552.0
	Color	According to the requires				8.0	24.5	5.3	60.8	546.7
Surface Printing	Letter height	3.0±0.3mm				10.0	25.0	5.9	59.3	545.4
	Color	Black				16.0	25.0	7.5	56.2	543.0
	Print error & Space	≤±0.5%, 1m				20.0	25.0	8.4	54.8	542.1
						25.0	24.3	9.4	53.3	541.2
Core Color	1 White/Blue	2 White/Orange				31.25	23.6	10.5	51.9	540.4
	3 White /Green	4 White/Brown				62.5	21.5	15.0	47.4	538.6
Packing	Box 305m, 36 boxes each pallet					100	20.1	19.1	44.3	537.6
Weight :	N.W 13.30KGS/ G.W16.60KGS					200	18.0	27.6	39.8	536.5
Packing length	305±1.5m					250	17.3	31.1	38.3	536.3
Rip-cord	Yes	Drain wire		No		*350	16.3	39.79	36.1	535.92
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)		≥13.5			*550	12.6	61.7	33.2	535.5
	Elongation(%)		≥150			Frequency	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB	
	Aging Period (°C x hrs)		100°C x 24h x 7d			1	72.3	67.8	64.8	
	After Aging Tensile Strength(Mpa)		≥12.5			4	63.3	55.8	52.8	
	Elongation(%)		≥125			8	48.8	49.7	46.7	
Electrical Characteristics (20 °C)	Cold bend(-20±2°C×4h) 8×Cable O.D , No visible cracks					10	57.3	47.8	44.8	
	1.0-250.0MHz Impedance (Ω)		100±15			16	54.2	43.7	40.7	
	1.0-250.0MHz Delay Skew (ns/100m)		≤45			20	52.8	41.8	38.8	
	Velocity of Propagation (%) (NVP)		72			25	51.3	39.8	36.8	
	DC Resistance (Ω/100m) max		9.5			31.25	49.9	37.9	34.9	
DC Conductor Resistance Unbalance (%) max		5.0			62.5	45.4	31.9	28.9		
					100	42.3	27.8	24.8		
					200	37.8	21.8	18.8		
					250	36.3	19.8	16.8		
					*350	34.1	16.9	13.9		
					*550	31.2	13.2	10.1		
Note: 1. Remarks: * are the reference values										