



Structured Cable Products®

Quality Installations Deserve Quality Products

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SCP PART#: CAT6-P-GY

UPC: 810070017637

CAT6 PLENUM- ENHANCED 550 MHz SOLID BC 4PR UTP, ANSI/TIA-568-C.2, ISO/IEC 11801 CLASS E, UL CMP FT6, JKT- GRAY- 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-C.2 E198134 -Z (UL) CMP 4PR 23AWG 75C---EU RoHS EC **** FEET MM/YY																																																																																			
Category	U/UTP CAT6-4P-CMP PVC																																																																																			
Test Standard	ISO/IEC11801、TIA-568-C.2 、YD/T1019																																																																																			
Conductor	Material	SOLID-Bare Copper																																																																																		
	Nom.O.D.(mm)	0.565	<table border="1"> <tr> <td>up</td> <td>+0.005</td> </tr> <tr> <td>down</td> <td>-0.005</td> </tr> </table>		up	+0.005	down	-0.005																																																																												
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Insulation	Material	FEP																																																																																		
	Diameter	1.00±0.04mm																																																																																		
Sheath	Thickness	0.45±0.05mm		<table border="1"> <thead> <tr> <th colspan="5">Technical Performance (100m):</th> </tr> <tr> <th>Frequency (MHz)</th> <th>RL ≥dB</th> <th>ATT ≤dB</th> <th>NEXT ≥dB</th> <th>DELAY ≤ns</th> </tr> </thead> <tbody> <tr><td>1</td><td>20.0</td><td>2.1</td><td>74.3</td><td>570.0</td></tr> <tr><td>4.0</td><td>23.0</td><td>3.8</td><td>65.3</td><td>552.0</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.3</td><td>60.8</td><td>546.7</td></tr> <tr><td>10.0</td><td>25.0</td><td>5.9</td><td>59.3</td><td>545.4</td></tr> <tr><td>16.0</td><td>25.0</td><td>7.5</td><td>56.2</td><td>543.0</td></tr> <tr><td>20.0</td><td>25.0</td><td>8.4</td><td>54.8</td><td>542.1</td></tr> <tr><td>25.0</td><td>24.3</td><td>9.4</td><td>53.3</td><td>541.2</td></tr> <tr><td>31.25</td><td>23.6</td><td>10.5</td><td>51.9</td><td>540.4</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.0</td><td>47.4</td><td>538.6</td></tr> <tr><td>100</td><td>20.1</td><td>19.1</td><td>44.3</td><td>537.6</td></tr> <tr><td>200</td><td>18.0</td><td>27.6</td><td>39.8</td><td>536.5</td></tr> <tr><td>250</td><td>17.3</td><td>31.1</td><td>38.3</td><td>536.3</td></tr> <tr><td>*350</td><td>16.3</td><td>39.79</td><td>36.1</td><td>535.92</td></tr> <tr><td>*550</td><td>12.6</td><td>61.7</td><td>33.2</td><td>535.5</td></tr> </tbody> </table>	Technical Performance (100m):					Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns	1	20.0	2.1	74.3	570.0	4.0	23.0	3.8	65.3	552.0	8.0	24.5	5.3	60.8	546.7	10.0	25.0	5.9	59.3	545.4	16.0	25.0	7.5	56.2	543.0	20.0	25.0	8.4	54.8	542.1	25.0	24.3	9.4	53.3	541.2	31.25	23.6	10.5	51.9	540.4	62.5	21.5	15.0	47.4	538.6	100	20.1	19.1	44.3	537.6	200	18.0	27.6	39.8	536.5	250	17.3	31.1	38.3	536.3	*350	16.3	39.79	36.1	535.92	*550	12.6	61.7	33.2	535.5
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External O.D.	5.8±0.4 mm																																																																																			
Surface	Clean,Frap,Satiation																																																																																			
Material	CMP PVC(complies RoHS)																																																																																			
Color	According to the requires																																																																																			
Surface Printing	Letter height	3.0±0.3mm																																																																																		
	Color	Black																																																																																		
	Print error & Space	≤±0.5%, 1m																																																																																		
Core Color	1 White/Blue	2 White/Orange																																																																																		
	3 White /Green	4 White/Brown																																																																																		
Packing	Box 305m, 36 boxes each pallet																																																																																			
Weight :	N.W 13.30KGS/ G.W16.60KGS																																																																																			
Packing length	305±1.5m																																																																																			
Rip-cord	Yes	Drain wire	No																																																																																	
	Before Aging Tensile Strength (Mpa) ≥13.5																																																																																			
Sheath Physical Properties	Elongation(%) ≥150																																																																																			
	Aging Period (°C× hrs) 100°C x 24h x 7d																																																																																			
	After Aging Tensile Strength(Mpa) ≥12.5																																																																																			
	Elongation(%) ≥125																																																																																			
	Cold bend(-20±2°C×4h) 8 ×Cable O.D , No visible cracks																																																																																			
Electrical Characteristics (20 °C)	1.0-250.0MHz Impedance ((Ω) 100±15																																																																																			
	1.0-250.0MHz Delay Skew (ns/100m) ≤45																																																																																			
	Velocity of Propagation (%) (NVP) 72																																																																																			
	DC Resistance (Ω/100m) max 9.5																																																																																			
	DC Conductor Resistance Unbalance (%) max 5.0																																																																																			

Note: 1. Remarks: * are the reference values