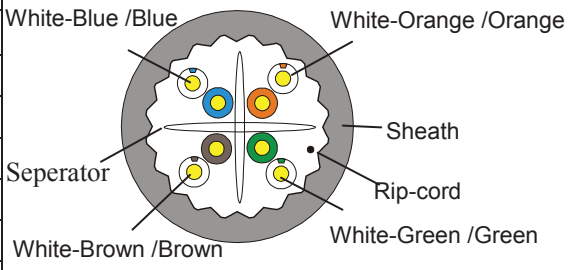


SCP PART#: CAT6A-P-XX

U/UTP 4Pairs cable-category 6A-CMP Sheath(600MHz) Available in Blue or White Jkt

Date	Prepared by	Checked by	Approved by	Version	Revision Declaration																																																																																																																	
2015-10-09	Caihangle	Nidonghua	Wangfuzhu	A0																																																																																																																		
Content of the Data Sheet																																																																																																																						
Description	CAT6 AUGMENTED PLENUM - 10GBASE-T, 600 MHz 23 AWG SOLID BC 4PR UTP, TIA/EIA-568-C.2, ISO/IEC 11801 Ed2 CLASS Ea, CMP- JACKET- 1000FT SPOOL																																																																																																																					
Approvals/Ratings	UL and c(UL) CMP FT6																																																																																																																					
Category	U-UTP-CAT6A-4P-PVC-CMP																																																																																																																					
Test Standard	ISO/IEC11801、ANSI/TIA-568-C.2 、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																																																																																																																					
4. Rip-cord	Yes	Drain wire	No																																																																																																																			
5. Sheath	Thickness	0.45±0.05 mm																																																																																																																				
	External O.D.	6.1±0.4 mm																																																																																																																				
	Surface	Clean,Frap,Satiation																																																																																																																				
	Material	PVC (complies RoHS),CMP																																																																																																																				
	Color	According to the requires																																																																																																																				
Surface Printing	Letter height	3.0±0.3mm																																																																																																																				
	Color	Black																																																																																																																				
	Print error & Space	≤±0.5%, 1m																																																																																																																				
Packing	Drum																																																																																																																					
Weight	N.W16.50KGS/ G.W 18.00KGS																																																																																																																					
Packing length	305±1.5m																																																																																																																					
Sheath	Before Aging	Tensile Strength (Mpa)	≥13.5																																																																																																																			
		Elongation (%)	≥150																																																																																																																			
Physical Properties	Aging Period (°C×hrs)		100°C×24h×7d																																																																																																																			
	After Aging	Tensile Strength (Mpa)	≥12.5																																																																																																																			
		Elongation (%)	≥125																																																																																																																			
	Cold bend (-20±2°C×4h)		No visible cracks																																																																																																																			
	Electrical Characteristics (20°C)	1.0-500.0MHz, Characteristic impedance (Ω)		100±15																																																																																																																		
		1.0-500.0MHz, Delay Shew 20°C(ns/100m)		≤45																																																																																																																		
		DC Resistance 20°C(Ω/100m) max		9.38																																																																																																																		
		DC Conductor Resistance Unbalance (%)max		5.0																																																																																																																		
Remarks: * are the reference values																																																																																																																						
<table border="1"> <thead> <tr> <th colspan="6">FLUKE Technical Performance (80m)</th> </tr> <tr> <th>Frequency (MHz)</th> <th>RL ≥dB</th> <th>ATT ≤dB</th> <th>NEXT ≥dB</th> <th>DELAY ≤ns</th> <th></th> </tr> </thead> <tbody> <tr><td>1</td><td>19.1</td><td>3.0</td><td>65.0</td><td></td><td></td></tr> <tr><td>4.0</td><td>21.0</td><td>3.5</td><td>64.1</td><td></td><td></td></tr> <tr><td>8.0</td><td>21.0</td><td>5.0</td><td>59.4</td><td></td><td></td></tr> <tr><td>10.0</td><td>21.0</td><td>5.5</td><td>57.8</td><td></td><td></td></tr> <tr><td>16.0</td><td>20.0</td><td>7.0</td><td>54.6</td><td></td><td>498</td></tr> <tr><td>20.0</td><td>19.5</td><td>7.9</td><td>53.1</td><td></td><td></td></tr> <tr><td>25.0</td><td>19.0</td><td>8.9</td><td>51.5</td><td></td><td></td></tr> <tr><td>31.25</td><td>18.5</td><td>10.0</td><td>50.0</td><td></td><td></td></tr> <tr><td>62.5</td><td>16.0</td><td>14.4</td><td>45.1</td><td></td><td></td></tr> <tr><td>100</td><td>14.0</td><td>18.6</td><td>41.8</td><td></td><td></td></tr> <tr><td>200</td><td>11.0</td><td>27.4</td><td>36.9</td><td></td><td></td></tr> <tr><td>250</td><td>10.0</td><td>31.1</td><td>35.3</td><td></td><td></td></tr> <tr><td>400</td><td>8.0</td><td>38.4</td><td>29.9</td><td></td><td></td></tr> <tr><td>500</td><td>8.0</td><td>43.8</td><td>26.7</td><td></td><td></td></tr> <tr><td>*600</td><td>8.0</td><td>48.7</td><td>24.0</td><td></td><td></td></tr> </tbody> </table>						FLUKE Technical Performance (80m)						Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	DELAY ≤ns		1	19.1	3.0	65.0			4.0	21.0	3.5	64.1			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			31.25	18.5	10.0	50.0			62.5	16.0	14.4	45.1			100	14.0	18.6	41.8			200	11.0	27.4	36.9			250	10.0	31.1	35.3			400	8.0	38.4	29.9			500	8.0	43.8	26.7			*600	8.0	48.7	24.0													
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Acceptance criterion: Per 4Pair pass FLUKE Permanent link test instrument.