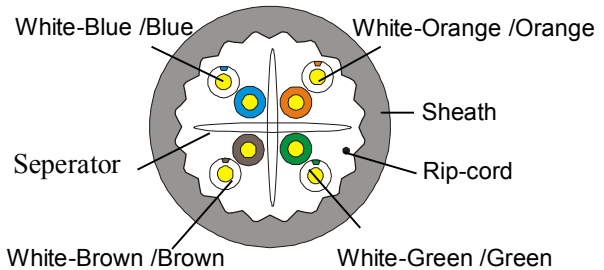


**U/UTP 4Pairs cable-category 6A- PVC Sheath**

Content of the Data Sheet																																																																																				
Sheath Printing	TBD																																																																																			
Customer No.		Customer Reference																																																																																		
Category	U/UTP CAT6A-4P-PVC																																																																																			
Reference Standard	ISO/IEC11801、TIA-568-C.2																																																																																			
Conductor	Material	Solid-Bare Copper																																																																																		
	Nom.O.D.(mm)	0.565	up	+0.005																																																																																
			down	-0.005																																																																																
Insulation	Material	HDPE																																																																																		
	Diameter	1.02±0.05mm																																																																																		
Sheath	Thickness	0.70±0.05 mm (Avg.)																																																																																		
	External O.D.	7.1±0.4 mm																																																																																		
	Surface	Clean,Frap,Satiation																																																																																		
	Material	PVC(complies RoHS)																																																																																		
	Color	TBD																																																																																		
Surface Printing	Letter height	3.0±0.3mm																																																																																		
	Color	Black																																																																																		
	Print error & Space	≤±0.5%, 1m																																																																																		
Core Color	1 White- Blue /Blue	2 White-Orange /Orange																																																																																		
	3 White-Green /Green	4 White- Brown /Brown																																																																																		
Packing	Wooden Tray & Carton																																																																																			
Carton dimension	According to the requires																																																																																			
Packing length	305±1.5m																																																																																			
Rip-cord	Yes	Drain wire	No																																																																																	
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5																																																																																		
	Elongation(%)	≥150																																																																																		
	Aging Period (°C× hrs)	100°C×24h×7d																																																																																		
	After Aging Tensile Strength(Mpa)	≥12.5																																																																																		
	Elongation(%)	≥125																																																																																		
Electrical Characteristics (20°C)	Cold bend(-20±2°C×4h)	8×Cable O.D., No visible cracks																																																																																		
	Impedance(Ω)	1.0-250.0MHz	100±15																																																																																	
		250.0-500.0MHz	100±22																																																																																	
	1.0-500.0MHz Delay Skew (ns/100m)	≤45																																																																																		
	DC Resistance (Ω/100m) max	9.38																																																																																		
	DC Conductor Resistance Unbalance (%) max	5.0																																																																																		
																																																																																				
					<b>Technical Performance (100m):</b> <table border="1"> <thead> <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>300</td><td>16.8</td><td>34.3</td><td>37.1</td><td>536.1</td></tr> <tr><td>500</td><td>15.2</td><td>45.3</td><td>33.8</td><td>535.6</td></tr> </tbody> </table>					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	300	16.8	34.3	37.1	536.1	500	15.2	45.3	33.8	535.6
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