

TECHNICAL DATA SHEET

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

Content of the Data Sheet																																																																									
Sheath Printing	TBD																																																																								
Customer No.		Customer Reference																																																																							
Category	SD U/UTP CAT6-4P-PVC																																																																								
Reference Standard	ISO/IEC11801、TIA-568-C.2																																																																								
Conductor	Material	SOLID-Bare Copper																																																																							
	Nom.O.D.(mm)	0.500	±0.005																																																																						
Insulation	Material	HDPE																																																																							
	Diameter	0.88±0.05mm																																																																							
Sheath	Thickness	0.50±0.05 mm		FLUKE Permanent link Technical Performance (≤85m) : <table style="width: 100%; border-collapse: collapse;"> <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>19.1</td><td>3.0</td><td>65.0</td><td>570.0</td></tr> <tr><td>4.0</td><td>21.0</td><td>3.5</td><td>64.1</td><td>552.0</td></tr> <tr><td>8.0</td><td>21.0</td><td>5.0</td><td>59.4</td><td>546.7</td></tr> <tr><td>10.0</td><td>21.0</td><td>5.5</td><td>57.8</td><td>545.4</td></tr> <tr><td>16.0</td><td>20.0</td><td>7.0</td><td>54.6</td><td>543.0</td></tr> <tr><td>20.0</td><td>19.5</td><td>7.9</td><td>53.1</td><td>542.1</td></tr> <tr><td>25.0</td><td>19.0</td><td>8.9</td><td>51.5</td><td>541.2</td></tr> <tr><td>31.25</td><td>18.5</td><td>10.0</td><td>50.0</td><td>540.4</td></tr> <tr><td>62.5</td><td>16.0</td><td>14.4</td><td>45.1</td><td>538.6</td></tr> <tr><td>100</td><td>14.0</td><td>18.6</td><td>41.8</td><td>537.6</td></tr> <tr><td>200</td><td>11.0</td><td>27.4</td><td>36.9</td><td>536.5</td></tr> <tr><td>250</td><td>10.0</td><td>31.1</td><td>35.3</td><td>536.3</td></tr> </tbody> </table>					Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)	DELAY (ns)	1	19.1	3.0	65.0	570.0	4.0	21.0	3.5	64.1	552.0	8.0	21.0	5.0	59.4	546.7	10.0	21.0	5.5	57.8	545.4	16.0	20.0	7.0	54.6	543.0	20.0	19.5	7.9	53.1	542.1	25.0	19.0	8.9	51.5	541.2	31.25	18.5	10.0	50.0	540.4	62.5	16.0	14.4	45.1	538.6	100	14.0	18.6	41.8	537.6	200	11.0	27.4	36.9	536.5	250	10.0	31.1	35.3	536.3
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External O.D.	5.3±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																																																																						
	Before Aging Tensile Strength (Mpa) ≥13.5 Elongation(%) ≥150																																																																								
Sheath 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) 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																																																																							
	DC Resistance (Ω/100m) max	9.5																																																																							
	DC Conductor Resistance Unbalance (%) max	5.0																																																																							
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Version	A/01	Date	2017-08-25	Revised By	Caihangle	Audited By	Nidonghua	Approved By	Nidonghua																																																																