

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

P/N: G2401-174

Content of the Data Sheet																																																																																												
Sheath Printing	TBD																																																																																											
Customer No.		Customer Reference																																																																																										
Category	SD U/UTP CAT6-4P-PVC-CM																																																																																											
Reference Standard	ISO/IEC11801、TIA-568-C.2																																																																																											
Conductor	Material	SOLID-Bare Copper																																																																																										
	Nom.O.D.(mm)	0.500	±0.005																																																																																									
		0.510																																																																																										
Insulation	Material	HDPE																																																																																										
	Diameter	0.88±0.05mm																																																																																										
Sheath	Thickness	0.50±0.05 mm		<table style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="6">FLUKE Permanent link Technical Performance (≤85m) :</th> </tr> <tr> <th>Frequency (MHz)</th> <th>RL (dB)</th> <th>ATT (dB)</th> <th>NEXT (dB)</th> <th colspan="2">DELAY (ns)</th> </tr> <tr> <td>1</td> <td>19.1</td> <td>3.0</td> <td>65.0</td> <td colspan="2">570.0</td> </tr> <tr> <td>4.0</td> <td>21.0</td> <td>3.5</td> <td>64.1</td> <td colspan="2">552.0</td> </tr> <tr> <td>8.0</td> <td>21.0</td> <td>5.0</td> <td>59.4</td> <td colspan="2">546.7</td> </tr> <tr> <td>10.0</td> <td>21.0</td> <td>5.5</td> <td>57.8</td> <td colspan="2">545.4</td> </tr> <tr> <td>16.0</td> <td>20.0</td> <td>7.0</td> <td>54.6</td> <td colspan="2">543.0</td> </tr> <tr> <td>20.0</td> <td>19.5</td> <td>7.9</td> <td>53.1</td> <td colspan="2">542.1</td> </tr> <tr> <td>25.0</td> <td>19.0</td> <td>8.9</td> <td>51.5</td> <td colspan="2">541.2</td> </tr> <tr> <td>31.25</td> <td>18.5</td> <td>10.0</td> <td>50.0</td> <td colspan="2">540.4</td> </tr> <tr> <td>62.5</td> <td>16.0</td> <td>14.4</td> <td>45.1</td> <td colspan="2">538.6</td> </tr> <tr> <td>100</td> <td>14.0</td> <td>18.6</td> <td>41.8</td> <td colspan="2">537.6</td> </tr> <tr> <td>200</td> <td>11.0</td> <td>27.4</td> <td>36.9</td> <td colspan="2">536.5</td> </tr> <tr> <td>250</td> <td>10.0</td> <td>31.1</td> <td>35.3</td> <td colspan="2">536.3</td> </tr> </table>					FLUKE Permanent link Technical Performance (≤85m) :						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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250	10.0	31.1	35.3	536.3																																																																																								
	External O.D.	5.3±0.4 mm																																																																																										
	Surface	Clean,Frap,Satiation																																																																																										
	Material	PVC(complies RoHS),CM																																																																																										
	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																																																																																										
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																																																																																										
Version	A/01	Date	2018-12-19	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua																																																																																			

