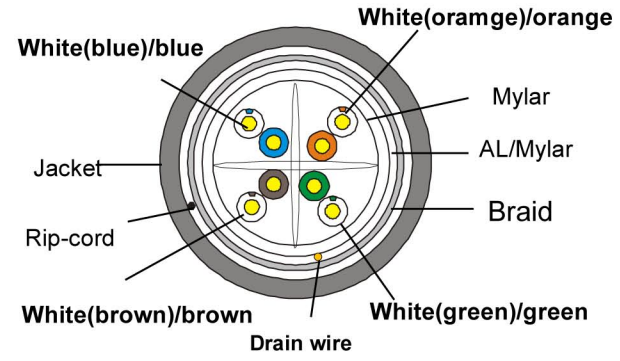


TECHNICAL DATA SHEET

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

Content of the Data Sheet

Sheath Printing	TBD																																																																																							
Customer No.		Customer Reference																																																																																						
Category	SF/UTP-CAT6-4P-PVC-AM40																																																																																							
Reference Standard	ISO/IEC11801、TIA/568-C.2																																																																																							
Conductor	Material	SOLID-Bare Copper																																																																																						
	Nom.O.D.(mm)	0.520	up	+0.005																																																																																				
			down	-0.005																																																																																				
Insulation	Material	HDPE																																																																																						
	Diameter	1.05±0.05 mm																																																																																						
Inner Screening Material	Mylar+AL/Mylar	Drain wire	Yes																																																																																					
Outer Screening Material	Aluminum-magnesium alloy 0.12mm	Coverage	≥40%																																																																																					
Sheath	Thickness	0.60±0.05 mm																																																																																						
	External O.D.	7.2±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																																																																																						
																																																																																								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="6">Technical Performance (100m) :</th> </tr> <tr> <th>Frequency (MHz)</th> <th>RL (dB)</th> <th>ATT (20°C) (dB)</th> <th>NEXT (dB)</th> <th colspan="2">PHASE DELAY (ns)</th> </tr> </thead> <tbody> <tr><td>1</td><td>20.0</td><td>—</td><td>74.3</td><td colspan="2">570.00</td></tr> <tr><td>4.0</td><td>23.0</td><td>3.78</td><td>65.3</td><td colspan="2">552.00</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.32</td><td>60.8</td><td colspan="2">546.73</td></tr> <tr><td>10.0</td><td>25.0</td><td>5.95</td><td>59.3</td><td colspan="2">545.38</td></tr> <tr><td>16.0</td><td>25.0</td><td>7.55</td><td>56.2</td><td colspan="2">543.00</td></tr> <tr><td>20.0</td><td>25.0</td><td>8.47</td><td>54.8</td><td colspan="2">542.05</td></tr> <tr><td>25.0</td><td>24.3</td><td>9.51</td><td>53.3</td><td colspan="2">541.20</td></tr> <tr><td>31.25</td><td>23.6</td><td>10.67</td><td>51.9</td><td colspan="2">540.44</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.38</td><td>47.7</td><td colspan="2">538.55</td></tr> <tr><td>100</td><td>20.1</td><td>19.80</td><td>44.3</td><td colspan="2">537.60</td></tr> <tr><td>200</td><td>18.0</td><td>28.98</td><td>39.8</td><td colspan="2">536.54</td></tr> <tr><td>250</td><td>17.3</td><td>32.85</td><td>38.3</td><td colspan="2">536.27</td></tr> </tbody> </table>					Technical Performance (100m) :						Frequency (MHz)	RL (dB)	ATT (20°C) (dB)	NEXT (dB)	PHASE DELAY (ns)		1	20.0	—	74.3	570.00		4.0	23.0	3.78	65.3	552.00		8.0	24.5	5.32	60.8	546.73		10.0	25.0	5.95	59.3	545.38		16.0	25.0	7.55	56.2	543.00		20.0	25.0	8.47	54.8	542.05		25.0	24.3	9.51	53.3	541.20		31.25	23.6	10.67	51.9	540.44		62.5	21.5	15.38	47.7	538.55		100	20.1	19.80	44.3	537.60		200	18.0	28.98	39.8	536.54		250	17.3	32.85	38.3	536.27
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Packing	Wooden Tray & Carton																																																																																							
Wooden Tray dimension	According to the requires																																																																																							
Packing length	305 ± 1.5m																																																																																							
Rip-cord	Yes																																																																																							
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)	1.0-250.0MHz Impedance (Ω)	100 ± 15																																																																																						
	1.0-250.0MHz Delay Skew (ns/100m)	≤45																																																																																						
	unbalanced-to-ground capacitance (pf/100m)	max 330																																																																																						
	DC Resistance (Ω/100m)	max 9.5																																																																																						
	DC Conductor Resistance Unbalance (%)	max 5.0																																																																																						
Version	A/01	Date	2017-08-25	Revised By	Caihanglie	Audited By	Nidonghua	Approved By	Nidonghua																																																																															