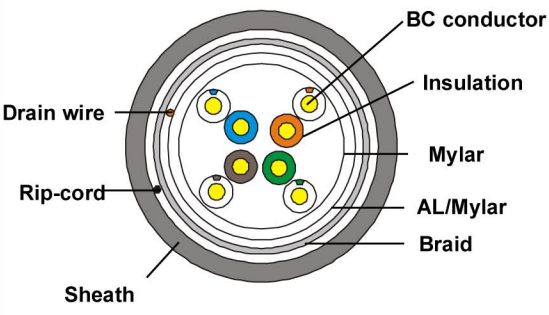


TECHNICAL DATA SHEET

SF/UTP 4 pairs cable - category 5E - PVC Sheath

Content of the Data Sheet																																																																
Sheath Printing	TBD																																																															
Customer No.		Customer Reference																																																														
Category	SF/UTP CAT5e-4P-PVC-AM40																																																															
Reference Standard	ISO/IEC11801、TIA-568-C.2																																																															
Conductor	Material	SOLID-Bare Copper																																																														
	Nom. O.D. (mm)	0.495	<table style="border: none;"> <tr> <td style="border: none;">Up</td> <td style="border: none;">+0.005</td> </tr> <tr> <td style="border: none;">Down</td> <td style="border: none;">-0.005</td> </tr> </table>							Up	+0.005	Down	-0.005																																																			
Up	+0.005																																																															
Down	-0.005																																																															
Insulation	Material	HDPE																																																														
	Diameter	0.95±0.05mm																																																														
Color	A.Blue, White-Blue	B.Orange,White-Orange																																																														
	C.Green,White-Green	D.Brown, White-Brown																																																														
Inner Shield Material	Mylar+AL/Mylar	Drain wire	Yes	Technical Performance (100m): <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>20.0</td><td>—</td><td>65.3</td><td>570.00</td></tr> <tr><td>4.0</td><td>23.0</td><td>4.1</td><td>56.3</td><td>552.00</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.8</td><td>51.8</td><td>546.73</td></tr> <tr><td>10.0</td><td>25.0</td><td>6.5</td><td>50.3</td><td>545.38</td></tr> <tr><td>16.0</td><td>25.0</td><td>8.2</td><td>47.2</td><td>543.00</td></tr> <tr><td>20.0</td><td>25.0</td><td>9.3</td><td>45.8</td><td>542.05</td></tr> <tr><td>25.0</td><td>24.3</td><td>10.4</td><td>44.3</td><td>541.20</td></tr> <tr><td>31.25</td><td>23.6</td><td>11.7</td><td>42.9</td><td>540.44</td></tr> <tr><td>62.5</td><td>21.5</td><td>17.0</td><td>38.4</td><td>538.55</td></tr> <tr><td>100</td><td>20.1</td><td>22.0</td><td>35.3</td><td>537.60</td></tr> </tbody> </table>						Frequency (MHz)	RL (dB)	ATT (dB)	NEXT (dB)	DELAY (ns)	1	20.0	—	65.3	570.00	4.0	23.0	4.1	56.3	552.00	8.0	24.5	5.8	51.8	546.73	10.0	25.0	6.5	50.3	545.38	16.0	25.0	8.2	47.2	543.00	20.0	25.0	9.3	45.8	542.05	25.0	24.3	10.4	44.3	541.20	31.25	23.6	11.7	42.9	540.44	62.5	21.5	17.0	38.4	538.55	100	20.1	22.0	35.3	537.60
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100	20.1	22.0	35.3	537.60																																																												
Braid	Aluminum-magnesium alloy 0.12mm	Coverage	≥40%																																																													
Sheath	Thickness	0.55±0.05 mm		1	20.0	—	65.3	570.00																																																								
	External O.D.	6.4±0.5 mm		4.0	23.0	4.1	56.3	552.00																																																								
	Surface	Clean,Frap,Satiation		8.0	24.5	5.8	51.8	546.73																																																								
	Material	PVC(complies RoHS)		10.0	25.0	6.5	50.3	545.38																																																								
	Color	TBD		16.0	25.0	8.2	47.2	543.00																																																								
Surface Printing	Letter height	3.0±0.3mm		20.0	25.0	9.3	45.8	542.05																																																								
	Color	Black		25.0	24.3	10.4	44.3	541.20																																																								
	Print error & Space	≤±0.5%, 1m		31.25	23.6	11.7	42.9	540.44																																																								
Packing	Wooden Tray & Carton		62.5	21.5	17.0	38.4	538.55																																																									
Carton dimension	According to the requires		100	20.1	22.0	35.3	537.60																																																									
Packing length	305±1.5m		Frequency PSNEXT (MHz)		ELFEXT (dB)		PSELFEXT (dB)																																																									
Rip-cord	Yes		1	62.3	63.8	60.8																																																										
Out Jacket Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5		4	53.3	51.8	48.8																																																									
	Elongation(%)	≥150		8	48.8	45.7	42.7																																																									
	Aging Period((°C×hrs)	100°C×24h×7d		10	47.3	43.8	40.8																																																									
	After Aging Tensile Strength(Mpa)	≥12.5		16	44.4	39.7	36.7																																																									
	Elongation(%)	≥125		20	42.8	37.8	34.8																																																									
	Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks		25	41.3	35.8	32.8																																																										
Electrical Characteristics (20°C)	1.0-100.0MHz, Characteristic impedance (Ω)	100±15		31.25	39.9	33.9	30.9																																																									
	1.0-100.0MHz, Delay Skew 20°C(ns/100m)	≤45		62.5	35.4	27.9	24.9																																																									
	Unbalanced-to-ground capacitance (pf/100m) max	330		100	32.3	23.8	20.8																																																									
	DC Resistance 20°C(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																																																							