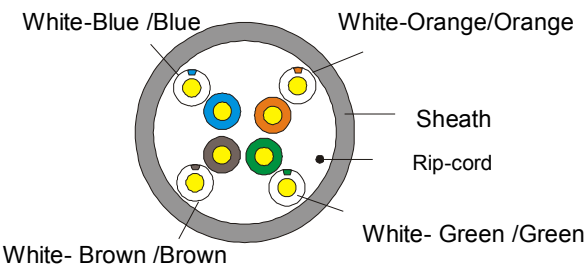


U/UTP 4Pairs cable-category5E- PVC Sheath

Content of the Data Sheet

Sheath Printing	TBD																																																															
Customer No.		Customer Reference																																																														
Category	U/UTP CAT5E-4P-PVC																																																															
Reference Standard	ISO/IEC11801、TIA-568-C.2																																																															
Conductor	Material	Solid-Bare Copper																																																														
	Nom.O.D.(mm)	0.490	up +0.005 down -0.005																																																													
Insulation	Material	HDPE																																																														
	Diameter	0.87±0.05mm																																																														
Sheath	Thickness	0.50±0.05 mm			Technical Performance (100m): <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>RL ≥dB</th> <th>ATT ≤dB</th> <th>NEXT ≥dB</th> <th>Phase DELAY ≤ns</th> </tr> </thead> <tbody> <tr><td>1</td><td>20.0</td><td>2.0</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	Phase DELAY ≤ns	1	20.0	2.0	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
	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB						Phase DELAY ≤ns																																																						
	1	20.0	2.0	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																																																												
External O.D.	5.0±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±1.5)m																																																															
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)	1.0-100.0MHz	Impedance(Ω)	100±15																																																													
	1.0-100.0MHz	Delay Skew (ns/100m)	≤45																																																													
		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																																																							