



UTP 4Pairs cable-category 6-PVC Sheath

P/N: CL-23U-C6

Date	Author	Review	Approve	Version	Revision Declaration																																																																						
2014-01-09	Paulchan	Jackylee	Peterlau	A0																																																																							
Content of the Data Sheet																																																																											
Sheath Printing	It will be printed as customer's requirement with batch produce.																																																																										
Customer reference																																																																											
Category	UTP CAT6-4P-PVC																																																																										
Test Standard	ISO/IEC11801、TIA-568-C.2、YD/T1019																																																																										
Conductor	Material	SOLID-Bare Copper																																																																									
	Nom.O.D.(mm)	0.565	up down	+0.005 -0.005																																																																							
Insulation	Material	HDPE																																																																									
	Diameter	0.95±0.03mm																																																																									
Sheath	Thickness	0.55±0.05 mm			<table border="1"> <thead> <tr> <th colspan="5">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>PHASE DELAY ≤ns</th> </tr> </thead> <tbody> <tr><td>1</td><td>20.0</td><td>2.03</td><td>74.3</td><td>570.00</td></tr> <tr><td>4.0</td><td>23.0</td><td>3.78</td><td>65.3</td><td>552.00</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.32</td><td>60.8</td><td>546.73</td></tr> <tr><td>10.0</td><td>25.0</td><td>5.95</td><td>59.3</td><td>545.38</td></tr> <tr><td>16.0</td><td>25.0</td><td>7.55</td><td>56.2</td><td>543.00</td></tr> <tr><td>20.0</td><td>25.0</td><td>8.47</td><td>54.8</td><td>542.05</td></tr> <tr><td>25.0</td><td>24.3</td><td>9.51</td><td>53.3</td><td>541.20</td></tr> <tr><td>31.25</td><td>23.6</td><td>10.67</td><td>51.9</td><td>540.44</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.38</td><td>47.7</td><td>538.55</td></tr> <tr><td>100</td><td>20.1</td><td>19.80</td><td>44.3</td><td>537.60</td></tr> <tr><td>200</td><td>18.0</td><td>28.98</td><td>39.8</td><td>536.54</td></tr> <tr><td>250</td><td>17.3</td><td>32.85</td><td>38.3</td><td>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	2.03	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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250	17.3	32.85	38.3	536.27																																																																							
	External O.D.	6.2±0.4 mm																																																																									
	Surface	Clean,Frap,Satiation																																																																									
	Material	PVC																																																																									
	Color	Gray RAL 7035																																																																									
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	42.5*42.5*21cm																																																																										
Packing length	(305±1.5)m																																																																										
Rip-cord	Yes	Drain wire	No																																																																								
	Before Aging Tensile Strength (Mpa) ≥10.0		Elongation(%) ≥125																																																																								
Sheath Physical Properties	Aging Period (°C×hrs) 100°C×24h×7d		20																																																																								
	After Aging Tensile Strength(Mpa) ≥8.0		25																																																																								
	Elongation(%) ≥100		31.25																																																																								
	Cold bend(-20±2°C×4h) 8×Cable O.D., No visible cracks		62.5																																																																								
			100																																																																								
			200																																																																								
Electrical Characteristics (20°C)	1.0-250.0MHz Impedance ((Ω) 100±15		250																																																																								
	1.0-250.0MHz Delay Shew (ns/100m) ≤45																																																																										
	DC Resistance (Ω/100m) max 9.5																																																																										
	DC Conductor Resistance Unbalance (%) max 5.0																																																																										