



## U/UTP 4 Pair Cat5e 24awg Solid LSZH Sheath Red (350MHz)

Date					Product Code																																																																											
01.01.2015					39 3541																																																																											
Sheath Printing	VELOCITY PREMIUM C5E U/UTP 24AWG SOLID LSZH 4PR TIA/EIA-568-B.2-1 NVP 67% ****M MM/DD/YYYY																																																																															
Customer reference	39 3541																																																																															
Category	U/UTP CAT5E-4P-LSZH																																																																															
Test Standard	ISO/IEC11801、TIA-568-C.2 YD/T1019																																																																															
Conductor	Material	Solid-Bare Copper																																																																														
	Nom.O.D.(mm)	0.49	up	+0.005																																																																												
			down	-0.005																																																																												
Insulation	Material	HDPE																																																																														
	Diameter	0.88±0.03mm																																																																														
Sheath	Thickness	0.50±0.05 mm			<b>Technical Performance :</b> <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>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> <tr><td>*155</td><td>18.0</td><td>28.1</td><td>32.4</td><td>536.90</td></tr> <tr><td>*200</td><td>17.4</td><td>32.4</td><td>30.8</td><td>536.50</td></tr> <tr><td>*300</td><td>16.5</td><td>41.8</td><td>29.3</td><td>536.10</td></tr> <tr><td>*350</td><td>16.0</td><td>44.9</td><td>27.1</td><td>535.90</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	*155	18.0	28.1	32.4	536.90	*200	17.4	32.4	30.8	536.50	*300	16.5	41.8	29.3	536.10	*350	16.0	44.9	27.1	535.90
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	External O.D.	5.0±0.4 mm																																																																														
	Surface	Clean,Frap,Satiation																																																																														
	Material	LSZH (Complies to ROHS)																																																																														
	Color	Red RAL3018																																																																														
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	Reelex Box																																																																															
Carton dimension																																																																																
Packing length	(305±1.5)m																																																																															
Rip-cord	Yes	Drain wire	No																																																																													
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥10.0																																																																														
	Elongation(%)	≥125																																																																														
	Aging Period(°C×hrs)	100°×24h×7d																																																																														
	After Aging Tensile Strength(Mpa)	≥8.0																																																																														
	Elongation(%)	≥100																																																																														
	Cold bend(-20±2°×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 Shew (ns/100m)	≤45																																																																														
	DC Resistance Ω/100m) max	9.5																																																																														
	DC Conductor Resistance Unbalance(%) max	5.0																																																																														
	NVP	69%																																																																														
	Capacitance(nF/100m) max	5.6																																																																														
Remarks: * are the reference values																																																																																