



U/UTP 4 Pair Cat6 23awg Solid LSZH Sheath Violet (550MHz)

Date					Product Code																																																																											
01.01.2015					39 3094																																																																											
Sheath Printing	VELOCITY PREMIUM CAT6 U/UTP 23AWG SOLID LSZH 4PR ANSI/EI-568-C.2 AND ISO/IEC 11801 ****M MM/DD/YYYY																																																																															
Order Code	39 3094																																																																															
Category	U/UTP CAT6-4P-LSZH																																																																															
Test Standard	ISO/IEC11801、TIA-568-C.2、YD/T1019																																																																															
Conductor	Material	SOLID-Bare Copper																																																																														
	Nom.O.D.(mm)	0.550	up down	+0.005 -0.005																																																																												
Insulation	Material	HDPE																																																																														
	Diameter	0.98±0.03mm																																																																														
Sheath	Thickness	0.55±0.05 mm			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>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>52.0</td><td>540.44</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.38</td><td>47.4</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> <tr><td>*350</td><td>16.3</td><td>39.79</td><td>36.1</td><td>535.92</td></tr> <tr><td>*550</td><td>14.9</td><td>51.76</td><td>33.2</td><td>535.5</td></tr> </tbody> </table>	Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≤dB	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	52.0	540.44	62.5	21.5	15.38	47.4	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	*350	16.3	39.79	36.1	535.92	*550	14.9	51.76	33.2	535.5
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	External O.D.	6.1±0.4 mm																																																																														
	Surface	Clean,Frap,Satiation																																																																														
	Material	LSZH - Complies RoHS,CMR																																																																														
	Color	Violet RAL4005																																																																														
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																																																																															
Carton dimension	Standard Box																																																																															
Packing length	305±1.5m																																																																															
Rip-cord	Yes	Drain wire	No																																																																													
Sheath Physical Properties	Before Aging Tensile Strength (Mpa)	≥13.5		<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Frequency (MHz)</th> <th>PSNEXT ≤dB</th> <th>ELFEXT ≤dB</th> <th>PSELFEXT ≤dB</th> </tr> </thead> <tbody> <tr><td>1</td><td>72.3</td><td>68.0</td><td>65.0</td></tr> <tr><td>4</td><td>63.3</td><td>56.0</td><td>53.0</td></tr> <tr><td>8</td><td>58.7</td><td>49.9</td><td>46.9</td></tr> <tr><td>10</td><td>57.3</td><td>48.0</td><td>45.0</td></tr> <tr><td>16</td><td>54.2</td><td>43.9</td><td>40.9</td></tr> <tr><td>20</td><td>52.8</td><td>42.0</td><td>39.0</td></tr> <tr><td>25</td><td>51.3</td><td>40.0</td><td>37.0</td></tr> <tr><td>31.25</td><td>49.9</td><td>38.1</td><td>35.1</td></tr> <tr><td>62.5</td><td>45.4</td><td>32.1</td><td>29.1</td></tr> <tr><td>100</td><td>42.3</td><td>28.0</td><td>25.0</td></tr> <tr><td>200</td><td>37.8</td><td>22.0</td><td>19.0</td></tr> <tr><td>250</td><td>36.3</td><td>20.0</td><td>17.0</td></tr> <tr><td>*350</td><td>34.1</td><td>16.9</td><td>13.9</td></tr> <tr><td>*550</td><td>31.2</td><td>13.0</td><td>10.0</td></tr> </tbody> </table>	Frequency (MHz)	PSNEXT ≤dB	ELFEXT ≤dB	PSELFEXT ≤dB	1	72.3	68.0	65.0	4	63.3	56.0	53.0	8	58.7	49.9	46.9	10	57.3	48.0	45.0	16	54.2	43.9	40.9	20	52.8	42.0	39.0	25	51.3	40.0	37.0	31.25	49.9	38.1	35.1	62.5	45.4	32.1	29.1	100	42.3	28.0	25.0	200	37.8	22.0	19.0	250	36.3	20.0	17.0	*350	34.1	16.9	13.9	*550	31.2	13.0	10.0																
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	Elongation(%)	≥150																																																																														
	Aging Period (°C×hrs)	100°×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 Shew (ns/100m)	≤45																																																																														
	DC Resistance (Ω/100m) max	9.5																																																																														
	DC Conductor Resistance Unbalance (%) max	5.0																																																																														
		Note: Remarks: * are the reference values																																																																														