

4X2X3.50		DATE:2014.10.10																																																													
<p style="text-align: center;"><b>Cross Section</b></p>		<p style="text-align: center;"><b>Performance</b></p>																																																													
<p style="text-align: center;"><b>Marking</b></p>		<p><b>Electrical Characteristics:</b></p> <table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>Return loss (Min dB)</th> <th>Attenuation Max (dB/100m)</th> <th>NEXT (Min dB)</th> </tr> </thead> <tbody> <tr><td>0.772</td><td>19.4</td><td>1.8</td><td>67.0</td></tr> <tr><td>1</td><td>20.0</td><td>2.0</td><td>65.3</td></tr> <tr><td>4</td><td>23.0</td><td>4.1</td><td>56.3</td></tr> <tr><td>8</td><td>24.5</td><td>5.8</td><td>51.8</td></tr> <tr><td>10</td><td>25.0</td><td>6.5</td><td>50.3</td></tr> <tr><td>16</td><td>25.0</td><td>8.2</td><td>47.3</td></tr> <tr><td>20</td><td>25.0</td><td>9.3</td><td>45.8</td></tr> <tr><td>25</td><td>24.3</td><td>10.4</td><td>44.3</td></tr> <tr><td>31.25</td><td>23.6</td><td>11.7</td><td>42.9</td></tr> <tr><td>62.5</td><td>21.5</td><td>17.0</td><td>38.4</td></tr> <tr><td>100</td><td>20.1</td><td>22.0</td><td>35.3</td></tr> </tbody> </table>		Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)	0.772	19.4	1.8	67.0	1	20.0	2.0	65.3	4	23.0	4.1	56.3	8	24.5	5.8	51.8	10	25.0	6.5	50.3	16	25.0	8.2	47.3	20	25.0	9.3	45.8	25	24.3	10.4	44.3	31.25	23.6	11.7	42.9	62.5	21.5	17.0	38.4	100	20.1	22.0	35.3												
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<p style="text-align: center;"><b>Description</b></p> <p>Rated Temperature (°C) 75</p> <p>Product Standard Certification</p> <p><b>Application</b></p> <p>Horizontal Wiring in LAN</p> <p><b>Reference Standard</b></p> <p>UL Subject 444,EIA/TIA568 &amp; ISO/IEC 11801</p>		<table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>PSNEXT (Min dB)</th> <th>ELFEXT (Min dB/100m)</th> <th>PSELFEXT (Min dB/100m)</th> <th>Delay (ns/100m)</th> </tr> </thead> <tbody> <tr><td>0.772</td><td>64.0</td><td>66.0</td><td>63.0</td><td>575.0</td></tr> <tr><td>1</td><td>62.3</td><td>63.8</td><td>60.8</td><td>570.0</td></tr> <tr><td>4</td><td>53.3</td><td>51.7</td><td>48.7</td><td>552.0</td></tr> <tr><td>8</td><td>48.8</td><td>45.7</td><td>42.7</td><td>546.7</td></tr> <tr><td>10</td><td>47.3</td><td>43.8</td><td>40.8</td><td>545.4</td></tr> <tr><td>16</td><td>44.3</td><td>39.7</td><td>36.7</td><td>543.0</td></tr> <tr><td>20</td><td>42.8</td><td>37.7</td><td>34.7</td><td>542.0</td></tr> <tr><td>25</td><td>41.3</td><td>35.8</td><td>32.8</td><td>541.2</td></tr> <tr><td>31.25</td><td>39.9</td><td>33.9</td><td>30.9</td><td>540.4</td></tr> <tr><td>62.5</td><td>35.4</td><td>27.8</td><td>24.8</td><td>538.6</td></tr> <tr><td>100</td><td>32.3</td><td>23.8</td><td>20.8</td><td>537.6</td></tr> </tbody> </table>		Frequency (MHz)	PSNEXT (Min dB)	ELFEXT (Min dB/100m)	PSELFEXT (Min dB/100m)	Delay (ns/100m)	0.772	64.0	66.0	63.0	575.0	1	62.3	63.8	60.8	570.0	4	53.3	51.7	48.7	552.0	8	48.8	45.7	42.7	546.7	10	47.3	43.8	40.8	545.4	16	44.3	39.7	36.7	543.0	20	42.8	37.7	34.7	542.0	25	41.3	35.8	32.8	541.2	31.25	39.9	33.9	30.9	540.4	62.5	35.4	27.8	24.8	538.6	100	32.3	23.8	20.8	537.6
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<p style="text-align: center;"><b>Construction</b></p> <p><b>Conductor</b> CCA</p> <p>AWG 24</p> <p>Conductor Dia. (mm) 0.5</p> <p><b>Insulation</b> PE</p> <p>Average Thickness(mm) 0.205</p> <p>Min. Point Thickness(mm) 0.198</p> <p>Insulation Dia.(±0.01mm) 0.91</p> <p><b>Twisted Pair Dia.(±0.02mm)</b> 1.82</p> <p><b>Assembly Dia.(±0.2mm)</b> 3.9</p>		<p>1.0-100.0MHz Impedance (ohms) 100 ± 15</p> <p>1.0-100.0MHz Delay Skew (ns/100m) &lt;=45</p> <p>Pair-to-Ground Capacitance Unbalance (pF/100m) &lt;=330</p> <p>Max. Conductor DC Resistance 20°C (ohms/km) 93.8</p> <p>Resistance Unbalance (%) &lt;=5</p>																																																													
<p><b>Jacket</b> PVC or LSOH</p> <p>Average Thickness(mm) 0.55</p> <p>Min. Point Thickness(mm) 0.5</p> <p>Outer Dia.(±0.2mm) 5.10</p> <p>Rip Cord Per request</p>		<p><b>Mechanical Characteristics:</b></p> <p>Test Object Jacket</p> <p>Test Material PVC</p> <p>Before Tensile Strength (Mpa) &gt;=13.8</p> <p>Aging Elongation (%) &gt;=100</p> <p>Aging Condition (°Cxhrs) 100x168</p> <p>After Tensile Strength (Mpa) &gt;=85% of unaged</p> <p>Aging Elongation (%) &gt;=50% of unaged</p> <p>Cold Bend(-20±2°Cx4hrs) No crack</p>																																																													
<p style="text-align: center;"><b>Color</b></p> <p><b>Insulation colors are:</b></p> <p>Blue,White/Blue</p> <p>Orange,White/Orange</p> <p>Green,White/Green</p> <p>Brown,White/Brown</p> <p><b>Jacket colors:</b></p> <p>Per request</p>		<p style="text-align: center;"><b>Marking</b></p>																																																													