



4Pairs Cat5e FTP Cable Specification

4X2X0.50		DATE: Oct 10, 2014																																																													
Cross Section		Performance																																																													
		Electrical Characteristics: <table border="1" style="width: 100%; border-collapse: collapse;"> <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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Description																																																															
Rated Temperature (°C)	75																																																														
Product Standard Certification																																																															
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Horizontal Wiring in LAN																																																															
Reference Standard																																																															
UL Subject 444, EIA/TIA568 & ISO/IEC 11801																																																															
Construction																																																															
Conductor	Solid Bare Copper																																																														
AWG	24																																																														
Conductor Dia. (mm)	0.5																																																														
Insulation	PE																																																														
Average Thickness(mm)	0.228																																																														
Min. Point Thickness(mm)	0.205																																																														
Insulation Dia.(±0.01mm)	0.97																																																														
Twisted Pair Dia.(±0.02mm)	1.94																																																														
PE-Tape(mm)	Yes																																																														
Drain wire (Solid Tinned Copper) Dia.(±0.003mm)	0.40																																																														
Al Foil Shield(mm)	Yes																																																														
PE-Tape(mm)	Yes																																																														
Assembly Dia.(±0.2mm)	4.95																																																														
Jacket	LLDPE																																																														
Average Thickness(mm)	0.60																																																														
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Outer Dia.(±0.2mm)	6.15																																																														
Rip Cord	Per request																																																														
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