

SCP → Structured Cable Products

4PAIRS Cat6 UTP LSZH Cable Specification

4×2×0.57		DATE:2008.05.14																																																									
Cross Section		Performance																																																									
<p>Jacket</p> <p>Twisted Pairs</p> <p>Filler</p> <p>Rip cord</p>		Electrical Characteristics: 1.0-250.0MHz Impedance (ohms) 100 ± 15 1.0-250.0MHz Delay Skew (ns/100m) ≤45 Pair-to-Ground Capacitance Unbalance (pF/100m) ≤330 Max. Conductor DC Resistance 20°C (ohms/km) 95 Resistance Unbalance (%) ≤5																																																									
Packing		<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>76.0</td></tr> <tr><td>1</td><td>20.0</td><td>2.0</td><td>74.3</td></tr> <tr><td>4</td><td>23.0</td><td>3.8</td><td>65.3</td></tr> <tr><td>8</td><td>24.5</td><td>5.3</td><td>60.8</td></tr> <tr><td>10</td><td>25.0</td><td>6.0</td><td>59.3</td></tr> <tr><td>16</td><td>25.0</td><td>7.6</td><td>56.2</td></tr> <tr><td>20</td><td>25.0</td><td>8.5</td><td>54.8</td></tr> <tr><td>25</td><td>24.3</td><td>9.5</td><td>53.3</td></tr> <tr><td>31.25</td><td>23.6</td><td>10.7</td><td>51.9</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.4</td><td>47.4</td></tr> <tr><td>100</td><td>20.1</td><td>19.8</td><td>44.3</td></tr> <tr><td>200</td><td>18.0</td><td>29.0</td><td>39.8</td></tr> <tr><td>250</td><td>17.3</td><td>32.8</td><td>38.3</td></tr> </tbody> </table>		Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)	0.772	19.4	1.8	76.0	1	20.0	2.0	74.3	4	23.0	3.8	65.3	8	24.5	5.3	60.8	10	25.0	6.0	59.3	16	25.0	7.6	56.2	20	25.0	8.5	54.8	25	24.3	9.5	53.3	31.25	23.6	10.7	51.9	62.5	21.5	15.4	47.4	100	20.1	19.8	44.3	200	18.0	29.0	39.8	250	17.3	32.8	38.3
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Description		Mechanical Characteristics:																																																									
Rated Temperature (°C)	70	Test Object	Jacket																																																								
Rated Voltage(V)	30	Test Material	LSZH																																																								
Product Standard Certification		Before Tensile Strength (Mpa)	≥13.8																																																								
Flammability Test	IEC-332-1	Aging Elongation (%)	≥100																																																								
		Aging Condition (°Cxhrs)	100x168																																																								
		After Tensile Strength (Mpa)	≥85% of unaged																																																								
		Aging Elongation (%)	≥50% of unaged																																																								
		Cold Bend(-20±2°Cx4hrs)	No crack																																																								
Construction																																																											
Conductor	Solid Bare Copper																																																										
AWG	23																																																										
Conductor Dia. (mm)	0.57																																																										
Insulation	PE																																																										
Average Thickness(mm)	0.22																																																										
Min. Point Thickness(mm)	0.198																																																										
Insulation Dia.(±0.01mm)	1.01																																																										
Twisted Pair Dia.(±0.02mm)	2.02																																																										
Separator	PE																																																										
Assembly Dia.(mm)	5.00																																																										
Jacket	LSZH																																																										
Average Thickness(mm)	0.60																																																										
Min. Point Thickness(mm)	0.50																																																										
Outer Dia.(±0.30mm)	6.20																																																										
Rip Cord	Per request																																																										
Color																																																											
The color of the wire pair in cables																																																											
A:Blue-White with Blue																																																											
B:Orange-White with Orange																																																											
C:Green-White with Green																																																											
D:Brown-White with Brown																																																											
Jacket Colors:																																																											
Per request																																																											
Marking																																																											
STRUCTURED CABLE PRODUCTS---CAT6 ENHANCED																																																											
550 MHZ VERIFIED to TIA/EIA 568-B.2.1 E198134																																																											
(UL) CMR 75C 23AWG 4PR UTPZONE/DEVICE A B																																																											
C D E 0 1 2 3 4 5 6 7 8 9 ROHS ce XXXXFT																																																											