



Structured Cable Products

Quality Installations Deserve Quality Products

Cat 6 Direct Burial Cable SCP Part # Cat6SH-DB

4×2×0.585		DATE:2008.05.22																																																																
Cross Section		Performance																																																																
		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> <tr><td>300</td><td>16.8</td><td>36.4</td><td>39.2</td></tr> <tr><td>400</td><td>15.9</td><td>43</td><td>37.3</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	300	16.8	36.4	39.2	400	15.9	43	37.3
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Construction		Mechanical Characteristics:																																																																
Conductor Solid Bare Copper AWG 23 Conductor Dia. (mm) 0.585 Insulation PE Average Thickness(mm) 0.258 Min. Point Thickness(mm) 0.245 Insulation Dia.(±0.01mm) 1.10 Twisted Pair Dia.(±0.02mm) 2.20 Separator LDPE Pe-tape Yes Drain wire (TC) 0.40 Al-foil Yes Pe-tape Yes Assembly Dia.(mm) 6.60 Jacket PVC Average Thickness(mm) 0.65 Min. Point Thickness(mm) 0.60 Outer Dia.(±0.20mm) 8.00 Rip Cord Per request		Test Object Jacket Test Material PVC Before Tensile Strength (Mpa) ≥13.8 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																																																																
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The color of the wire pair in cables Blue-White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown Jacket Color: Per request																																																																		
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STRUCTURED CABLE PRODUCTS---CAT6 SHIELDED ENHANCED 550 MHZ VERIFIED to TIA/EIA 568-B.2.1 E198134 (UL) OR C(UL) CMR FT4 75C 23AWG 4PR ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ROHS ce XXXXFT																																																																		