



# Structured Cable Products

Quality Installations Deserve Quality Products

## HNC-11- 4x CAT 6 550MHz (BUNDLED)

4x2x0.57		DATE:2009.12.17																																																																			
<b>Cross Section</b>		<b>Performance</b>																																																																			
		<b>Electrical Characteristics:</b> 1.0-550.0MHz Impedance (ohms) 100 ± 15 1.0-550.0MHz 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																																																																			
<b>Description</b>		<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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Rated Temperature (°C) 70 Rated Voltage(V) 30 Product Standard Certification Flammability Test IEC-332-1		<table border="1"> <thead> <tr> <th>Frequency (MHz)</th> <th>PSNEXT (Min dB)</th> <th>ELFEXT (Min dB/100m)</th> <th>Delay Max (ns/100m)</th> </tr> </thead> <tbody> <tr><td>0.772</td><td>74.0</td><td>70.0</td><td>-</td></tr> <tr><td>1</td><td>72.3</td><td>67.8</td><td>570.0</td></tr> <tr><td>4</td><td>63.3</td><td>55.8</td><td>552.0</td></tr> <tr><td>8</td><td>58.8</td><td>49.7</td><td>546.0</td></tr> <tr><td>10</td><td>57.3</td><td>47.8</td><td>545.0</td></tr> <tr><td>16</td><td>54.2</td><td>43.7</td><td>543.0</td></tr> <tr><td>20</td><td>52.8</td><td>41.8</td><td>542.0</td></tr> <tr><td>25</td><td>51.3</td><td>39.8</td><td>541.0</td></tr> <tr><td>31.25</td><td>49.9</td><td>37.9</td><td>540.0</td></tr> <tr><td>62.5</td><td>45.4</td><td>31.9</td><td>538.0</td></tr> <tr><td>100</td><td>42.3</td><td>27.8</td><td>537.0</td></tr> <tr><td>200</td><td>37.8</td><td>21.8</td><td>536.0</td></tr> <tr><td>250</td><td>36.3</td><td>19.8</td><td>536.0</td></tr> <tr><td>300</td><td>37.2</td><td>18.2</td><td>535.0</td></tr> <tr><td>400</td><td>35.3</td><td>15.7</td><td>534.0</td></tr> </tbody> </table>				Frequency (MHz)	PSNEXT (Min dB)	ELFEXT (Min dB/100m)	Delay Max (ns/100m)	0.772	74.0	70.0	-	1	72.3	67.8	570.0	4	63.3	55.8	552.0	8	58.8	49.7	546.0	10	57.3	47.8	545.0	16	54.2	43.7	543.0	20	52.8	41.8	542.0	25	51.3	39.8	541.0	31.25	49.9	37.9	540.0	62.5	45.4	31.9	538.0	100	42.3	27.8	537.0	200	37.8	21.8	536.0	250	36.3	19.8	536.0	300	37.2	18.2	535.0	400	35.3	15.7	534.0
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<b>Construction</b>		<b>Mechanical Characteristics:</b>																																																																			
<b>Conductor</b> Solid Bare Copper AWG 23 Conductor Dia. (mm) 0.57 <b>Insulation</b> PE Average Thickness(mm) 0.220 Min. Point Thickness(mm) 0.198 Insulation Dia.(±0.01mm) 1.01 <b>Twisted Pair Dia.(±0.02mm)</b> 2.02  Separator PVC <b>Assembly Dia.(mm)</b> 5.00  <b>Jacket</b> PVC Average Thickness(mm) 0.60 Min. Point Thickness(mm) 0.50 Outer Dia.(±0.30mm) 6.20 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																																																																			
<b>Color</b>		<b>Marking</b>																																																																			
<b>Insulation:</b> <b>A:Blue-White with Blue</b> <b>B:Orange-White with Orange</b> <b>C:Green-White with Green</b> <b>D:Brown-White with Brown</b>  <b>Jacket :</b> Per request		STRUCTURED CABLE PRODUCTS---HOME NETWORK CABLE PRO PLUS+ ENHANCED 550 MHZ VERIFIED to TIA/EIA 568-B.2.1 E198134 (UL) OR C(UL) CMR FT4 75C 23AWG 4PR UTP ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ROHS ce xxxM																																																																			