



Structured Cable Products™

Quality Installations Deserve Quality Products

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 Toll Free: 866-470-5742

SCP PART#: HNCPROPLUS-6A-LSZH

UPC: 817777011241

DESCRIPTION:

HNCPROPLUS+ FOR CAT6A - HDBASET ENHANCED CAT6A F/FTP, LOW SMOKE ZERO HALOGEN, 10GBASE-T, 600 MHz 23 AWG SOLID BC, 4PR, F/FTP, ANSI/TIA 568-C.2, IEC 11801 CLASS Ea, EN50575:2014 Eca, LSZH JKT- ICE BLUE-1000FT/305M SPOOL

Sheath Printing	STRUCTURED CABLE PRODUCTS --- HNCPROPLUS FOR CAT6A --- LOW SMOKE ZERO HALOGEN - HDBASET ENHANCED 10GBASE-T 600MHZ U/FTP ANSI/TIA-568-C.2 ISO/IEC 11801 CLASS EA 4PR 23AWG SOL BC EN50575:2014 CE Cca-s1a,d1,a1 EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***M MM/YY																																																																																																										
Customer No.		Customer Reference																																																																																																									
Category	U/FTP- CAT6A-4P-LSZH(Cca)																																																																																																										
Reference Standard	ISO/IEC11801 、TIA-568-C.2																																																																																																										
Conductor	Material	SOLID-Bare Copper																																																																																																									
	Nom.O.D.(mm)	0.560	up	+0.005																																																																																																							
			down	-0.005																																																																																																							
Insulation	Material	Skin-foam-skin PE																																																																																																									
	Diameter	1.330±0.05 mm																																																																																																									
Screening Material	Al/Mylar	Drain wire	Yes																																																																																																								
Sheath	Thickness	0.6±0.1 mm																																																																																																									
	External O.D.	7.4±0.5 mm																																																																																																									
	Surface	Clean																																																																																																									
	Material	FR-LSZH(complies RoHS)																																																																																																									
	Color	TBD																																																																																																									
Surface Printing	Letter height	3.0±0.3mm																																																																																																									
	Color	Black																																																																																																									
	Print error & Space	≤±0.5%, 1m																																																																																																									
	Core Color	1 White/Blue	2 White/Orange																																																																																																								
	3 White/Green	4 White/Brown																																																																																																									
Packing	305M reel Reel size 38cmx38cmx24cm																																																																																																										
Weight	N.W.16.90kgs, G.W.18.50kgs, 36 reels each pallet																																																																																																										
Rip-cord	Yes																																																																																																										
Physical Properties	Before Aging	Tensile Strength (Mpa)	≥9.0																																																																																																								
		Elongation (%)	≥100																																																																																																								
	Aging Period (°C×hrs)	100°C×24h×7d																																																																																																									
	After Aging	Tensile Strength (Mpa)	≥8.0																																																																																																								
		Elongation (%)	≥70																																																																																																								
	Cold bend (-20±2°C×4h) 15times cable O.D. No visible cracks																																																																																																										
	Operation Temperature: -20°C~+80°C																																																																																																										
Electrical Characteristics (20°C)	Impedance(Ω)	1.0-250.0MHz	100±15																																																																																																								
		250.0-500.0MHz	100±22																																																																																																								
	1.0-500.0MHz	Delay Skew (ns/100m)	≤45																																																																																																								
	Unbalanced-to-ground capacitance(pf/100m)max		330																																																																																																								
	DC Resistance (Ω/100m) max		9.38																																																																																																								
	DC Conductor Resistance Unbalance (%) max		5.0																																																																																																								
	<table border="1"> <thead> <tr> <th colspan="6">Technical Performance (100m):</th> </tr> <tr> <th>Frequency (MHz)</th> <th>RL ≥dB</th> <th>ATT ≤dB</th> <th>NEXT ≥dB</th> <th colspan="2">PHASE DELAY ≤ns</th> </tr> </thead> <tbody> <tr><td>1</td><td>20.0</td><td>—</td><td>74.3</td><td colspan="2">570</td></tr> <tr><td>4.0</td><td>23.0</td><td>3.8</td><td>65.3</td><td colspan="2">552</td></tr> <tr><td>8.0</td><td>24.5</td><td>5.3</td><td>60.8</td><td colspan="2">547</td></tr> <tr><td>10.0</td><td>25.0</td><td>5.9</td><td>59.3</td><td colspan="2">545</td></tr> <tr><td>16.0</td><td>25.0</td><td>7.5</td><td>56.2</td><td colspan="2">543</td></tr> <tr><td>20.0</td><td>25.0</td><td>8.4</td><td>54.8</td><td colspan="2">542</td></tr> <tr><td>25.0</td><td>24.3</td><td>9.4</td><td>53.3</td><td colspan="2">541</td></tr> <tr><td>31.25</td><td>23.6</td><td>10.5</td><td>51.9</td><td colspan="2">540</td></tr> <tr><td>62.5</td><td>21.5</td><td>15.0</td><td>47.4</td><td colspan="2">539</td></tr> <tr><td>100</td><td>20.1</td><td>19.1</td><td>44.3</td><td colspan="2">538</td></tr> <tr><td>200</td><td>18.0</td><td>27.6</td><td>39.8</td><td colspan="2">537</td></tr> <tr><td>250</td><td>17.3</td><td>31.1</td><td>38.3</td><td colspan="2">536</td></tr> <tr><td>300</td><td>16.8</td><td>34.3</td><td>37.1</td><td colspan="2">536</td></tr> <tr><td>400</td><td>15.9</td><td>40.1</td><td>35.3</td><td colspan="2">536</td></tr> <tr><td>500</td><td>15.2</td><td>45.3</td><td>33.8</td><td colspan="2">536</td></tr> </tbody> </table>						Technical Performance (100m):						Frequency (MHz)	RL ≥dB	ATT ≤dB	NEXT ≥dB	PHASE DELAY ≤ns		1	20.0	—	74.3	570		4.0	23.0	3.8	65.3	552		8.0	24.5	5.3	60.8	547		10.0	25.0	5.9	59.3	545		16.0	25.0	7.5	56.2	543		20.0	25.0	8.4	54.8	542		25.0	24.3	9.4	53.3	541		31.25	23.6	10.5	51.9	540		62.5	21.5	15.0	47.4	539		100	20.1	19.1	44.3	538		200	18.0	27.6	39.8	537		250	17.3	31.1	38.3	536		300	16.8	34.3	37.1	536		400	15.9	40.1	35.3	536		500	15.2	45.3	33.8	536
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Reaction to fire Classification: Cca,s1a,d1,a1																																																																																																											
Version	A/01	Date	2017-08-25	Revised By	J. Klucar																																																																																																						

