

SCP PART#: HNCPROPLUS-6A-LSZH

Rev04/22

Dca EuroClass- HDBaseT Enhanced Cat6a U/FTP,
 10GBaseT, 600 MHz 23awg Solid BC, 4pr, ANSI/TIA 568.2-D,
 ISO/IEC 11801 CLASS Ea, PoE/PoH IEEE 802.3bt ,
 EN50575 Dca-s1,d2,a1 LSZH JKT
 305m/1000ft Spool

Part Number:

Jacket Color:

HNCPROPLUS-6A-LSZH

Ice Blue

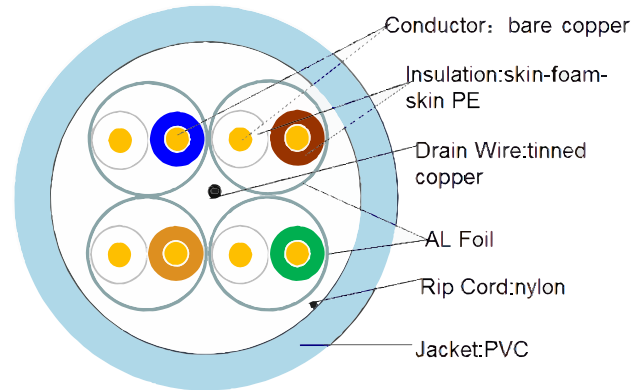
HNCPROPLUS-6A-LSZH-BK

Black

Regulatory

UL 444, ANSI/TIA 568.2-D and ISO/IEC 11801 Class Ea
 EU RoHS 2011/65 EU Compliant
 EN50575:2014 REACTION TO FIRE CLASS Dca-s1,d2,a1

Application: Lan Cable



Construction Characteristics:

Electrical & Physical Characteristics:

Conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.57+/-0.005mm
Insulation	Material	Skin-foam-skin PE
	Min.Thickness	0.350mm
	AVG.Thickness	0.360mm
	Diameter	1.35+/-0.05mm
	Colors	Light blue/Blue Light orange/Orange Light green/Green Light brown/Brown
Pair Screen	Each pair screen	Aluminum Foil
Drain Wire	TC	1/0.40+/-0.005
Jacket	Material	LSZH
	Min.Thickness	0.54mm
	AVG.Thickness	0.60mm
	Diameter	7.30+/-0.20mm
	Rip Cord	Nylon
	Color	Per request
Bend radius	Min 20D/150mm	

Operating Temperature Range	- 20°C + 75°C
Minimum installation temperature	0°C + 40°C
Conductor Resistance	Max 72.2ohm/km at 20°C
Dielectric Strength	Min AC1.5KV
Spark Test	5.0KV
Rated Voltage	Max 300Volts
DC Resisitance Unbalance	Max 5%
Pair-to-Ground Capacitance Unbalance	Max 3300pF/km
Characteristic Impedance	100+/-15OHM
Nominal Velocity of Propagation(%)	67~69
Propagation Delay	Max 536ns/100m
Delay Skew	Max 40ns/100m

Marking:

STRUCTURED CABLE PRODUCTS --- HNCPROPLUS FOR CAT6A --- HDBASET ENHANCED 10GBASE-T 600MHZ
 U/FTP ANSI/TIA-568.2-D ISO/IEC 11801 CLASS EA 4PR 23AWG SOL BC - LSZH JKT EN50575:2014 CE Dca EU
 RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***M

Packaging:

Approx.Weight	Approx.Dimension(mm)	Package	Packages per pallet
18.5kgs/40.785lbs	360X270X160	1000FT/305M Spool	27/36

Performance-1

ITEM Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		SKW	
	Standard	U/FTP	Standard	U/FTP	Standard	U/FTP	Standard	U/FTP
4	3.8	3.26	66.3	97.48	64.3	97	≤45	≤15
10	5.9	5.13	60.3	111.64	58.3	103.91		
16	7.5	6.56	57.2	112.19	55.2	96.87		
20	8.4	7.37	55.8	108.21	53.8	95.76		
31.25	10.5	9.33	52.9	97.37	50.9	93.8		
62.5	15	13.24	48.4	101.14	46.4	98.75		
100	19.1	16.8	45.3	99.9	43.3	90.47		
200	27.6	23.85	40.8	91.74	38.8	81.3		
250	31.1	26.78	39.3	89.96	37.3	82.51		
300	34.3	29.35	38.1	81.96	36.1	81.38		
400	40.1	33.95	36.3	83.87	34.3	77.2		
500	45.3	38.03	34.8	90.72	32.8	78.95		
600		41.97		80.93		69.53		

Performance-2

ITEM Frequency	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		VOP %			
	Standard	U/FTP	Standard	U/FTP	Standard	U/FTP	Standard	U/FTP		
4	23	33.08	61.3	112.41	59.3	99.85	68%	70%		
10	25	34.8	53.3	107.63	51.3	97.21				
16	25	36.34	49.2	109.01	47.2	97.45				
20	25	30.31	47.3	93.91	45.3	96.51				
31.25	23.6	30.68	43.4	102.59	41.4	93.52				
62.5	21.5	30.21	37.4	97.9	35.4	90.2				
100	20.1	28.3	33.3	94.71	31.3	84.85				
200	18	32.76	27.3	96.93	25.3	77.75				
250	17.3	30.05	25.3	88.04	23.3	75.96				
300	17.3	30.52	23.8	76.48	21.8	76.15				
400	17.3	22.62	21.3	68.79	19.3	68.39				
500	17.3	25.38	19.3	67.91	17.3	60.27				
600		24.91		62.86		53.54			---	---