

**SCP PART#: HNCPROPLUS-SH-LSZH**

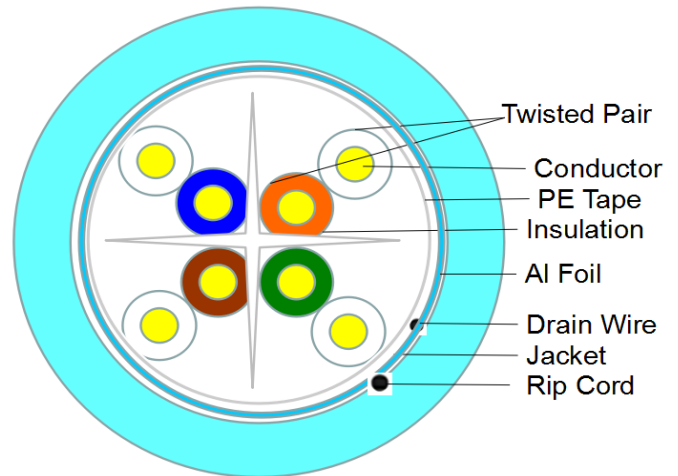
Rev01/22

**Description:**

HNCPROPLUS+ FOR CAT6 SHIELDED- HDBASET ENHANCED 550 MHz  
23 AWG SOLID BC, 4PR, F/UTP, ANSI/TIA 568.2-D, ISO/IEC 11801  
CLASS E, EN50575:2014 Dca-s1,d1,a1 LSZH JKT- ICE BLUE  
305M/1000FT SPOOL

**Regulatory**

ANSI/TIA 568.2-D and ISO/IEC 11801 Class E  
EU RoHS 2011/65 EU Compliant  
IEC 60332-1-2  
EN50575:2014 REACTION TO FIRE CLASS Dca-s1,d1,a1



**Application: Lan Cable**

**Construction Characteristics:**

Conductor	Material	Solid Bare Copper
	Size	23AWG X 4P
	Construction	1/0.57+/-0.005mm
Insulation	Material	HDPE
	Min.Thickness	0.200mm
	AVG.Thickness	0.220mm
	Diameter	1.1+/-0.01mm
	Colors	Blue- White/Blue Orange-White/Orange Green-White/Green Brown-White/Brown
Shield	Wrap	PET tape
	Drain wire TC	1/0.50+/-0.005
	Shield	AL Foil
Jacket	Material	LSZH
	Min.Thickness	0.54mm
	AVG.Thickness	0.60mm
	Diameter	7.50+/-0.20mm
	Rip Cord	Nylon
	Color	Per request
Bend Radius		Min 20D/150mm

**Electrical & Physical Characteristics:**

Operating Temperature Range		- 20°C + 75°C	
Minimum Installation Temperature		0°C + 40°C	
Rated Voltage		Max 300Volts	
Conductor Resistance		Max 72.2ohm/km at 20°C	
Dielectric Strength		Min AC1.5KV	
Spark Test		5.0KV	
Insulation	Unaged	Tensile Strenth	16.5Mpa
		Elongation	500%
	Aged	Tensile Strenth	14.2Mpa(100°C 168h)
		Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strenth	11.3 Mpa
		Elongation	100%
	Aged	Tensile Strenth	8.5Mpa(100°C 168h)
		Elongation	50%(100°C 168h)
DC Resitance 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 CAT6 --- HDBASET ENHANCED 550MHZ F/UTP ANSI/TIA 568.2-D  
ISO/IEC 11801 CLASS E 4PR 23AWG SOL BC - LSZH JKT EN50575:2014 Dca-s1,d1,a1 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
20.5kgs/45.194lbs	380X290X200	1000FT/305M Spool	27

## Performance

ITEM	Attenuatio	NEXT Min	PS NEXT	ACR Min	RL Min	ELFEXT	PS	PSACR
1	2	74.3	72.3	72.3	20	67.8	64.8	70.3
4	3.8	65.3	63.3	61.5	23	55.8	52.8	59.5
8	5.3	60.8	58.8	55.5	24.5	49.7	46.7	53.5
10	6	59.3	57.3	53.3	25	47.8	44.8	51.3
16	7.6	56.2	54.2	48.6	25	43.7	40.7	46.6
20	8.5	54.8	52.8	46.3	25	41.8	38.8	44.3
25	9.5	53.3	51.3	43.8	24.3	39.8	36.8	41.8
31.25	10.7	51.9	49.9	41.2	23.6	37.9	34.9	39.2
62.5	15.4	47.4	45.4	32	21.5	31.9	28.9	30
100	19.8	44.3	42.3	24.5	20.1	27.8	24.8	22.5
200	29	39.8	37.8	10.8	18	21.8	18.8	8.8
250	32.8	38.3	36.3	5.5	17.3	19.8	16.8	3.5
300	36.4	37.1	35.1	0.7	16.8	18.3	15.3	---
400	43	35.3	33.3	---	15.9	15.8	12.8	---
500	48.9	33.8	31.8	---	15.2	13.8	10.8	---