

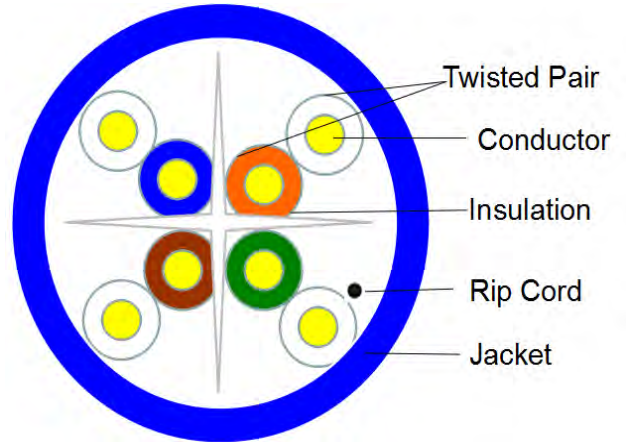
SCP PART#: HNCPROPLUS+

Description:

HNCPROPLUS+™ FOR CAT6- HDBaseT Enhanced
 550 MHz 23 AWG Solid 4PR UTP, TIA/EIA 568-C.2,
 ISO/IEC 11801 ED2 Class E, Indoor/Outdoor
 Sun Res/ Direct Bury CMR PVC JKT

Regulatory:

UL 444 TIA/EIA 568-C.2 and ISO/IEC 11801 Ed
 Type (UL) CMR or c(UL) FT4
 EU RoHS 2011/65 EU Compliant



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	1.03+/-0.01mm	
	Colors		Blue- White/Blue
			Orange-White/Orange
		Green-White/Green	
Jacket	Material	PVC	
	Min.Thickness	0.54mm	
	AVG.Thickness	0.60mm	
	Diameter	6.20+/-0.10mm	
	Rip Cord	Nylon	
	Color	Per request	

Electrical & Physical Characteristics:

Operating Temperature Range		- 20°C + 70 °C	
Conductor Resistance		Max 72.2ohm/km at 20°C	
Dielectric Strength		Min AC1.5KV	
Spark Test		5.0KV	
Insulation	Unaged	Tensile Strenght	16.5Mpa
		Elongation	500%
	Aged	Tensile Strenght	14.2Mpa(100°C 168h)
		Elongation	250%(100°C 168h)
Jacket	Unaged	Tensile Strenght	13.8Mpa
		Elongation	100%
	Aged	Tensile Strenght	11.7Mpa(100°C 168h)
		Elongation	50%(100°C 168h)
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		500MHZ Max 536ns/100m	
Delay Skew		Max 45ns/100m	

Marking:

STRUCTURED CABLE PRODUCTS --- HNCPROPLUS+ FOR CAT6---HDBASET ENHANCED
 550 MHZ UTP TIA/EIA568-C.2 ISO/IEC 11801 ED2 CLASS E (UL) or C(UL) E198134 SCP3
 CMR 4PR 23AWG BC INDOOR/OUTDOOR- SUN RES 75C CE EU RoHS EC
 ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***M

Packaging:

Approx.Wight(kg)	Approx.Dimension(mm)		
14.00	400X290X400		

Performance-1

ITEM Frequency	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	2	1.9	74.3	80.3	72.3	76.6	72.3	78.4
4	3.8	3.7	65.3	75.6	63.3	74.2	61.5	71.9
8	5.3	5.1	60.8	66	58.8	65.1	55.5	60.9
10	6	5.8	59.3	67.6	57.3	65.9	53.3	61.8
16	7.6	7.4	56.2	70.8	54.2	67.2	48.6	63.4
20	8.5	8.2	54.8	71.9	52.8	69.1	46.3	63.7
25	9.5	9.1	53.3	62.3	51.3	60.8	43.8	53.2
31.25	10.7	9.9	51.9	68.7	49.9	67.1	41.2	58.8
62.5	15.4	15	47.4	59.6	45.4	58.3	32	44.6
100	19.8	18.8	44.3	60	42.3	58	24.5	41.2
200	29	27.4	39.8	57.5	37.8	56	10.8	30.1
250	32.8	29.4	38.3	55.8	36.3	54.1	5.5	26.4
300	36.4	33.3	37.1	54.2	35.1	53.4	0.7	20.9
400	43	38.6	35.3	53.8	33.3	52.1	---	---
500	48.9	43.9	33.8	51	31.8	49.3	---	---

Performance-2

ITEM Frequency	RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		PSACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	20	23.6	67.8	75.6	64.8	73.3	70.3	74.7
4	23	23.9	55.8	61.3	52.8	60.1	59.5	70.5
8	24.5	30	49.7	55.7	46.7	54.8	53.5	60
10	25	28.5	47.8	55.2	44.8	53.2	51.3	60.1
16	25	28.2	43.7	49.7	40.7	48.1	46.6	59.8
20	25	27.8	41.8	48.1	38.8	46.2	44.3	60.9
25	24.3	27.5	39.8	45.9	36.8	45	41.8	51.7
31.25	23.6	24.9	37.9	42.7	34.9	41.7	39.2	57.2
62.5	21.5	24.1	31.9	39.4	28.9	37.4	30	43.3
100	20.1	23.5	27.8	35	24.8	33.2	22.5	39.2
200	18	23.2	21.8	32.8	18.8	30.2	8.8	28.6
250	17.3	21.5	19.8	30.7	16.8	27.7	3.5	24.7
300	16.8	20.8	18.3	26.5	15.3	25.4	---	---
400	15.9	18.9	15.8	23.4	12.8	22.1	---	---
500	15.2	18.6	13.8	19.5	10.8	18.7	---	---