

HNCPROPLUS+ CATEGORY 6 CABLE, 4 PAIR, UTP, UL CMR

Description:

HNCPROPLUS+ FOR CAT6- HDBASET ENHANCED
 550 MHz 23 AWG SOLID BC, 4PR, UTP, ANSI/TIA 568.2-D,
 ISO/IEC 11801 CLASS E, UL CMR, INDOOR/OUTDOOR
 SUN RES PVC JKT - 305M/1000FT BOX

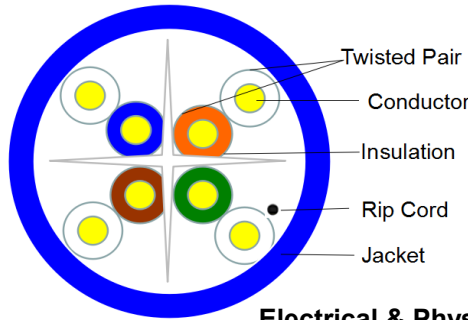
Part Number:

Jacket Color:

HNCPROPLUS-BK	Black
HNCPROPLUS-BL	Blue
HNCPROPLUS-GN	Green
HNCPROPLUS-OR	Orange
HNCPROPLUS-RD	Red
HNCPROPLUS-WT	Yellow
HNCPROPLUS-YL	White

Regulatory:

UL 444, ANSI/TIA 568.2-D
 and ISO/IEC 11801 Class E
 Type (UL) CMR or c(UL) FT4
 EU RoHS 2011/65 EU Compliant



Application:

Lan Cable

Electrical & Physical Characteristics:

Operating Temperature Range		- 20°C + 70 °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	
Insulation	Unaged	Tensile Strength	16.5Mpa
		Elongation	500%
Aged	Tensile Strength	14.2Mpa(100°C 168h)	
	Elongation	250%(100°C 168h)	
Jacket	Unaged	Tensile Strength	13.8Mpa
		Elongation	100%
Aged	Tensile Strength	11.7Mpa(100°C 168h)	
	Elongation	50%(100°C 168h)	
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		500MHZ Max 536ns/100m	
Delay Skew		Max 45ns/100m	

Construction Characteristics:

Conductor	Material	Solid Bare Copper	
	Size	23AWG X 4P	
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			
Brown-White/Brown			
Jacket	Material	PVC	
	Min.Thickness	0.54mm	
	AVG.Thickness	0.60mm	
	Diameter	6.20+/-0.10mm	
	Rip Cord	Nylon	
	Color	Per request	
Bend Radius	Min 20D/125mm		

Marking:

STRUCTURED CABLE PRODUCTS --- HNCPROPLUS FOR CAT6 --- HDBASET ENHANCED 550MHZ UTP ANSI/TIA 568.2-D
 ISO/IEC 11801 CLASS E E198134 SCP3 (UL) C(UL) CMR 4PR 23AWG SOL BC -- INDOOR/OUTDOOR-SUN RES--
 UV-PVC JKT FT4 75C 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
14.3kgs/31.526lbs	400X290X400	1000FT/305M Box	36

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	---	---