

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

Description:

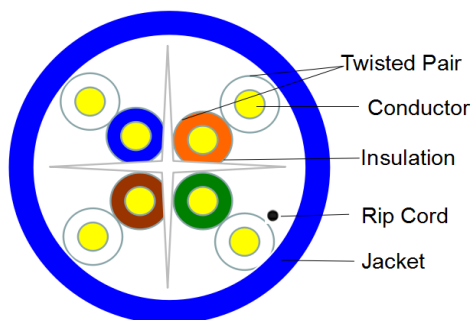
HNCPROPLUS+ FOR CAT6- HDBASET ENHANCED
550 MHz 23 AWG SOLID BC, 4PR, UTP, ANSI/TIA 568.2-D,
ISO/IEC 11801 CLASS E, UL CMR, INDOOR/OUTDOOR
SUN RES PVC JKT - 305M/1000FT BOX

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



Part Number:

HNCPROPLUS-BK
HNCPROPLUS-BL
HNCPROPLUS-GN
HNCPROPLUS-OR
HNCPROPLUS-RD
HNCPROPLUS-WT
HNCPROPLUS-YL

Jacket Color:

Black
Blue
Green
Orange
Red
Yellow
White

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

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)
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

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	---	---