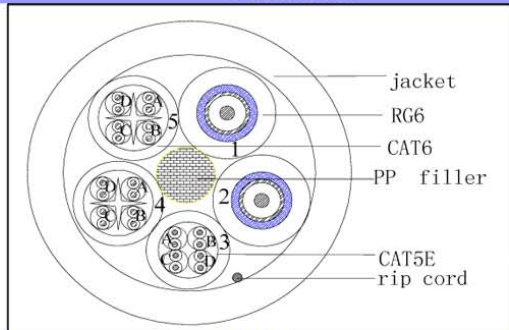


part # : HNC-9

Cross Section



packing

500FT/drum/per contract

Description

Rated Temperature (°C) 75
 Flammability Test CM

Reference Standard

UL Subject 444,EIA/TIA568 & ISO/IEC 11801

Construction

CAT6(WIRE 4,5) Solid Bare Copper

Conductor Dia. (mm) 0.57

Insulation PE

Insulation Dia.(±0.02mm) 1.01

Twisting Lay Length(mm) 20underneath

Filler PVC

Cabling Lay Length(±20mm) 100

Jacket PVC

Outer Dia.(±0.2mm) 6.20

Coaxial cable(WIRE 1,2)

Conductor Dia. (mm) 1.02 BC

Insulation Foam PE

Bonded AL-FOIL

Braiding-1 16/5/0.12 AL-wire(60%)

AL-FOIL(DOUBLE)

Braiding-2 16/3/0.12 AL-wire(40%)

PVC JACKET 7.4+/-0.10mm

CAT5E(WIRE 3) Solid Bare Copper

Conductor Dia. (mm) 0.5

Insulation PE

Insulation Dia.(±0.02mm) 0.91

Twisting Lay Length(mm) 20underneath

Jacket PVC

Outer Dia.(±0.2mm) 5.10

ASSEMBLY(WIRE1+2+3+4+5+FILLER) 18mm

Average Thickness(mm) 0.75

PVC Jacket: 19.5+/-0.2mm

Rip cord Per Request

Color

inner jacket colors:

LAN CABLE: 3.GREY 4.BLUE, 5.WHITE

RG6/U: 1.BLACK 2.WHITE

Jacket color:

Per Request

Marking on the jacket

Per Contract

Performance

Electrical Characteristics(CAT6):

Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
0.772	19.4	1.8	76.0
1	20.0	2.0	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	6.0	59.3
16	25.0	7.6	56.2
20	25.0	8.5	54.8
25	24.3	9.5	53.3
31.25	23.6	10.7	51.9
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18.0	29.0	39.8
250	17.3	32.8	38.3
350	---	39.79	---
550	---	51.76	---

Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	Delay Max (ns/100m)
0.772	74.0	70.0	-
1	72.3	67.8	570.0
4	63.3	55.8	552.0
8	58.8	49.7	546.0
10	57.3	47.8	545.0
16	54.2	43.7	543.0
20	52.8	41.8	542.0
25	51.3	39.8	541.0
31.25	49.9	37.9	540.0
62.5	45.4	31.9	538.0
100	42.3	27.8	537.0
200	37.8	21.8	536.0
250	36.3	19.8	536.0
350	---	19.8	530.0
550	---	16.9	525.0

1.0-250.0MHz Impedance (ohms) 100 ± 15

Delay Skew (ns/100m) <=45

Pair-to-Ground Capacitance Unbalance (pF/100m) <=330

Electrical Characteristics(RG6/U):

Frequency (MHZ)	Attenuation Max(dB/100m)
10	2.62
50	4.26
100	5.41
200	10.16
400	13.51
700	20.59
1000	21.25
1200	21.64
1500	30.49
2000	32.00
2200	32.10
2500	33.21
3000	47.90