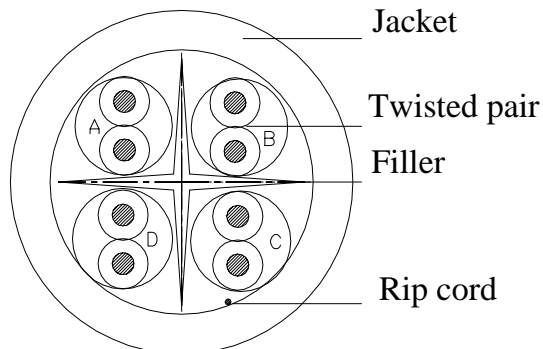


# HNC-11- 4x CAT 6 550MHz (BUNDLED)

4x2x0.57

DATE:2009.12.17

## Cross Section



## Description

Rated Temperature (°C)	70
Rated Voltage(V)	30
Product Standard Certification	
Flammability Test	IEC-332-1

## Construction

<b>Conductor</b>	<b>Solid Bare Copper</b>
AWG	23
Conductor Dia. (mm)	0.57
<b>Insulation</b>	<b>PE</b>
Average Thickness(mm)	0.220
Min. Point Thickness(mm)	0.198
Insulation Dia.(±0.01mm)	1.01
<b>Twisted Pair Dia.(±0.02mm)</b>	<b>2.02</b>
<b>Separator</b>	<b>PVC</b>
<b>Assembly Dia.(mm)</b>	<b>5.00</b>
<b>Jacket</b>	<b>PVC</b>
Average Thickness(mm)	0.60
Min. Point Thickness(mm)	0.50
Outer Dia.(±0.30mm)	6.20
Rip Cord	Per request

## Color

### Insulation:

- A:Blue-White with Blue
- B:Orange-White with Orange
- C:Green-White with Green
- D:Brown-White with Brown

**Jacket :**  
Per request

## Marking

STRUCTURED CABLE PRODUCTS---HOME NETWORK CABLE  
PRO PLUS+ ENHANCED 550 MHZ VERIFIED to TIA/EIA 568-B.2.1  
E198134 (UL) OR C(UL) CMR FT4 75C 23AWG 4PR UTP  
ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ROHS ce xxxM

## Performance

### Electrical Characteristics:

1.0-550.0MHz Impedance (ohms)	100 ± 15
1.0-550.0MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	95
Resistance Unbalance (%)	<=5

Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
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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
300	16.8	36.4	39.2
400	15.9	43	37.3

Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	Delay Max (ns/100m)
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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
300	37.2	18.2	535.0
400	35.3	15.7	534.0

### Mechanical Characteristics:

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	>=13.8
Aging Elongation (%)	>=100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	>=85% of unaged
Aging Elongation (%)	>=50% of unaged
Cold Bend(-20±2°Cx4hrs)	No crack