



Structured Cable Products

Quality Installations Deserve Quality Products

HNC 9 - HOME NETWORKING CABLE

PART# HNC-9

part # : HNC-9		Performance			
Cross Section		Electrical Characteristics(CAT6):			
		Frequency (MHz)	Return loss (Min dB)	Attenuation Max (dB/100m)	NEXT (Min dB)
		0.772	19.4	1.8	76.0
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	Frequency (MHz)	PSNEXT Min (dB)	ELFEXT Min (dB/100m)	Delay Max (ns/100m)
Conductor Dia. (mm)	0.57	0.772	74.0	70.0	-
Insulation	PE	1	72.3	67.8	570.0
Insulation Dia.(±0.02mm)	1.01	4	63.3	55.8	552.0
Twisting Lay Length(mm)	20underneath	8	58.8	49.7	546.0
Filler	PVC	10	57.3	47.8	545.0
Cabling Lay Length(±20mm)	100	16	54.2	43.7	543.0
Jacket	PVC	20	52.8	41.8	542.0
Outer Dia.(±0.2mm)	6.20	25	51.3	39.8	541.0
Coaxial cable(WIRE 1,2)		31.25	49.9	37.9	540.0
Conductor Dia. (mm)	1.02 BC	62.5	45.4	31.9	538.0
Insulation	Foam PE	100	42.3	27.8	537.0
Bonded AL-FOIL		200	37.8	21.8	536.0
Braiding-1	16/5/0.12 AL-wire(60%)	250	36.3	19.8	536.0
AL-FOIL(DOUBLE)		350	---	19.8	530.0
Braiding-2	16/3/0.12 AL-wire(40%)	550	---	16.9	525.0
PVC JACKET	7.4+/-0.10mm	1.0-250.0MHz Impedance (ohms)		100 ± 15	
CAT5E(WIRE 3)	Solid Bare Copper	Delay Skew (ns/100m)		<=45	
Conductor Dia. (mm)	0.5	Pair-to-Ground Capacitance Unbalance (pF/100m)		<=330	
Insulation	PE	Electrical Characteristics(RG6/U):			
Insulation Dia.(±0.02mm)	0.91	1.0-1000MHz Impedance (ohms)		75 ± 5	
Twisting Lay Length(mm)	20underneath	Frequency (MHZ)		Attenuation Max(dB/100m)	
Jacket	PVC	10	2.62		
Outer Dia.(±0.2mm)	5.10	50	4.26		
ASSEMBLY(WIRE1+2+3+4+5+FILLER)	18mm	100	5.41		
Average Thickness(mm)	0.75	200	10.16		
PVC Jacket:	19.5+/-0.2mm	400	13.51		
Rip cord	Per Request	700	20.59		
Color		1000	21.25		
inner jacket colors:		1200	21.64		
LAN CABLE: 3.GREY 4.BLUE, 5.WHITE		1500	30.49		
RG6/U: 1.BLACK 2.WHITE		2000	32.00		
Jacket color:		2200	32.10		
Per Request		2500	33.21		
Marking on the jacket		3000	47.90		
Per Contract					