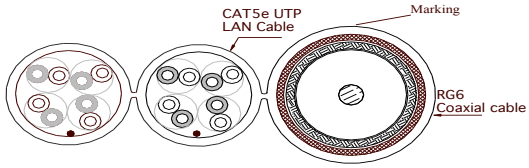


SCP-HNC-6 HOME NETWORKING CABLE

Cross Section



Color

Outer Jacket Color:

Per Customer Request

Outer Jacket Marking

RG6 QUAD SHIELD 18AWG AND 2 x CAT5E ENHANCED 350MHZ 4PR 24AWG UTP CABLE LTK --- ***** FEET

Description

Rated Temperature (°C)	75
Product Standard Certification	
Flammability Test	CM
Two 4 Pair CAT5e UTP Cable	
Complies to TIA/EIA 568B.2	
24AWG Solid Bare Copper Conductor / PE Insulation	
One RG 6/U Coaxial Cable	
18AWG Bare Copper	

Application

For use in Home Network systems

Reference Standard

TIA/EIA-568-B.2 & TIA/EIA-570A

Construction

CAT5E UTP LAN Cable

Detail See Attachment 1

RG6/U Coaxial Cable

Detail See Attachment 2

Cable Dimension(±1.5mm)	7.3_ 18.6
Weight(kg/km)	110.2

Performance

The Characteristics of RG6,CAT5e refer to attachment

Mechanical Characteristics:

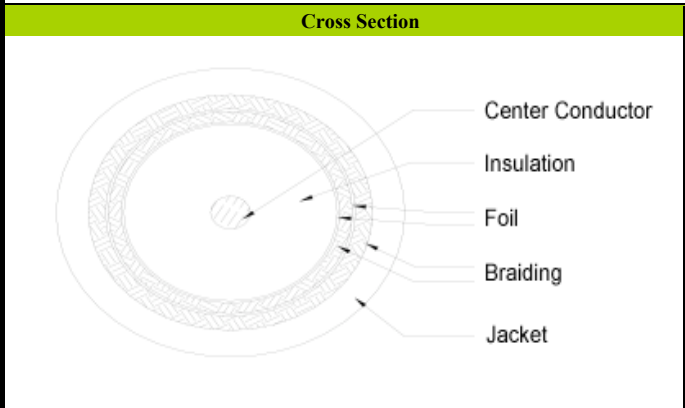
Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	_ 13.8
Aging Elongation (%)	_ 100
Aging Condition (_ hrs)	100_ 240
After Tensile Strength (Mpa)	_ 85% unaged
Aging Elongation (%)	_ 50% unaged
Cold Bend (-20±2_4hrs)	No crack
Jacket impact test (-15_)	No crack
Jacket Longitudinal Shrinkage (%)	_ 5

SCP-HNC-6 HOME NETWORKING CABLE Attachment 1 ---- 4 Pair CAT5e UTP Cables

Cross Section	
<p>Conductor Insulation Jacket Rip</p>	
Marking	
Description	
Rated Temperature (°C)	75
Product Standard Certification	
Application	
Horizontal Wiring in LAN	
Reference Standard	
UL Subject 444,EIA/TIA568 & ISO/IEC 11801	
Construction	
Conductor	Solid Bare Copper
AWG	24
Conductor Dia. (mm)	0.525
Insulation	PE
Average Thickness(mm)	0.21
Min. Point Thickness(mm)	0.17
Insulation Dia.(±0.02mm)	0.91
Twisting Lay Length(mm)	30underneath
Cabling Lay Length(±20mm)	140
Jacket	PVC
Average Thickness(mm)	0.5
Min. Point Thickness(mm)	0.43
Outer Dia.(±0.2mm)	5.0
Rip Cord	Per request
Weight(kg/km)	32
Color	
Insulation colors are:	
Blue,White/Blue	
Orange,White/Orange	
Green,White/Green	
Brown,White/Brown	
Jacket colors:	Per customer request

Performance				
Electrical Characteristics:				
Frequency (MHz)	turn loss (dB)	Attenu (dB/10)	NEXT (dB)	ACR (dB)
0.772	19.4	1.8	67.0	65
1	20.0	2.0	65.3	63
4	23.0	4.1	56.3	52
8	24.5	5.8	51.8	46
10	25.0	6.5	50.3	44
16	25.0	8.2	47.3	39
20	25.0	9.3	45.8	37
25	24.3	10.4	44.3	34
31.25	23.6	11.7	42.9	31
62.5	21.5	17.0	38.4	21
100	20.1	22.0	35.3	13
200	18.0	32.4	30.8	***
300	16.8	41.0	28.2	***
350	16.3	44.9	27.2	***
Frequency (MHz)	PSNEXTELFEXT1 (dB)	PSSELFEXT (dB/100m)	Delay (ns/100m)	
0.772	64.0	66.0	63.0	575.0
1	62.3	63.8	60.8	570.0
4	53.3	51.7	48.7	552.0
8	48.8	45.7	42.7	546.7
10	47.3	43.8	40.8	545.4
16	44.3	39.7	36.7	543.0
20	42.8	37.7	34.7	542.0
25	41.3	35.8	32.8	541.2
31.25	39.9	33.9	30.9	540.4
62.5	35.4	27.8	24.8	538.6
100	32.3	23.8	20.8	537.6
200	27.8	17.7	14.7	536.5
300	25.2	14.2	11.2	536.1
350	24.2	12.9	9.9	535.9
1.0-100.0MHz	Impedance (ohn)			100 ± 15
100-200MHz	Impedance (ohr)			100± 25
200-350MHz	Impedance (ohr)			100± 35
1.0-350.0MHz	Delay Skew (ns/100m)			<=45
	Pair-to-Ground Capacitance Unbalance (pF/100m)			<=330
	Max. Conductor DC Resistance 20°C (ohms/km)			93.8
	Resistance Unbalance (%)			<=5
Mechanical Characteristics:				
Test Object				Jacket
Test Material				PVC
Before	Tensile Strength (Mpa)			>=13.8
Aging	Elongation (%)			>=100
Aging Condition (°Cxhrs)				100x240
After	Tensile Strength (Mpa)			>=85% of unaged
Aging	Elongation (%)			>=50% of unaged
Cold Bend(-20±2°Cx4hrs)				No crack

SCP-HNC-6 HOME NETWORKING CABLE Attachment 2 ---- RG6Q CATV



Marking

Description

Rated Temperature (°C)	75
Product Standard Certification	UL
Flammability Test	CM

Application
Cable for satellite applications, test upto 2.2GHZ

Reference Standard
UL1581, UL1655, UL13, UL444,UL1424

Construction

Center Conductor	Bare Copper
AWG	18
Dia.	1.02
Insulation	Skin Foamed PE
Nom. Thickness(mm)	1.78
Insulation Dia. (±0.08mm)	4.57
The first Al-maylar Shield (Overlapping, %)	_25
The first Braid Shield	Aluminium Wire
Construction (mm)	16/4/0.16
Coverage Area (%)	_60
The second Al-maylar Shield (Overlapping, %)	_25
The second Braid Shield	Aluminium Wire
Construction (mm)	16/3/0.16
Coverage Area (%)	_40
Jacket	PVC
Nom. Thickness (mm)	0.65
Min. Thickness (mm)	0.55
Cable Dia. (±0.20mm)	7.30

Color

Jacket Color: Per Customer Request

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100)
1	0.89
10	2.66
50	4.79
100	6.73
200	9.28
400	13.29
700	18.37
900	20.44
1000	21.62
1200	23.69
1450	26.05
1800	29.00
2200	32.05

Dielectric Strength (kV/min)	1.0
Impedence (±3.0_)	75.0
SRL (dB,5~2200MHz)	_20
Capacitance (pF/m)	54.0
Conductor DCR@ 20_ (/_km)	_21.4
Velocity Of Propagation (%)	_82
Center Conductor Bond To dielectric (N)	_2.3