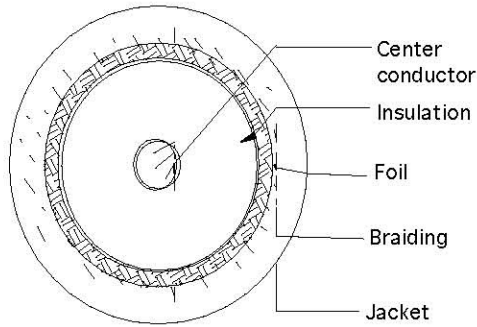


SCP-RG 6U DIGITAL 3.0GHZ

Cross Section



Marking

STRUCTURED CABLE PRODUCTS --- E198134-S RG-6/U DIGITAL 18AWG 75C (UL) TYPE CM OR CL2 SWEEP TESTED TO 3.0GHZ HDTV ***** FEET

Description

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

Application

Cable for HDTV applications, test upto 3.0GHZ

Reference Standard

UL1581, UL1655, UL13, UL444,UL1424

Construction

Center Conductor	Bare Copper
AWG	18
Dia.	1.02
Insulation	Skin Foam 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
Coverage Area (%)	≤95
Jacket	PVC
Nom. Thickness (mm)	0.70
Min. Thickness (mm)	0.60
Cable Dia. (±0.10mm)	6.70
Weight (kg/km)	43.0

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)
5	2.66
55	5.25
211	10.10
270	11.48
300	12.14
350	13.15
400	14.11
450	15.03
550	16.70
600	17.52
870	21.33
1000	22.97
1250	27.60
1450	30.00
2200	42.00
3000	53.5

Dielectric Strength (kV/min)	1.0	
Impedence (±3.0ohms)	75.0	
SRL (dB,5~2200MHz)	≥20	
SRL (dB,2200-3000MHz)	≥17.6	
Capacitance (pF/m)	53.1	
Conductor DCR@ 20°C (ohms/km)	≤21.3	
Velocity Of Propagation (%)	≥82	
Mechanical Characteristics:		
Test Object	Jacket	
Test Material	PVC	
Before	Tensile Strength (N)	≥1.034
Aging	Elongation (%)	≥200
Aging Condition (°C_hrs)		113.0±1.0 _ 168
After	Tensile Strength (N)	≥ 85% unaged
Aging	Elongation (%)	≥ 50% unaged
Cold Bend (-20±2°C_4hrs)		No crack
Jacket impact test (-15°C)		No crack
Jacket Longitudinal Shrinkage (%)		≤5
Center Conductor Bond To dielectric (N)		≥2.3