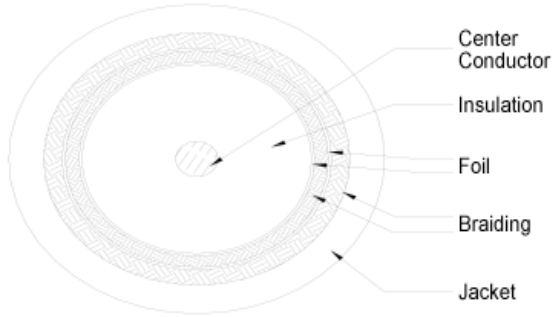


SCP-RG 6 CATV Cable

Cross Section



Marking

E198134-S RG-6/U 18AWG 75C (UL) TYPE CM OR CL2 SWEEP TESTED TO 2.2GHZ HDTV --- SCP
***** FEET

Description

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

Application

Drop cable for CATV and MATV distribution UV resistant

Reference Standard

SCTE IPS-SP-001, UL1655, UL13, UL444, TFC DROP CABLE

Construction

Center Conductor	Copper Clad Steel
AWG	18
Dia.	1.02
Insulation	Skin Foam PE
Nom. Thickness(mm)	1.78
Insulation Dia. (±0.08mm)	4.57
Al-maylar Shield (Overlapping, %)	≥25
Braid Shield	Aluminium Wire
Construction (mm)	16/4/0.16
Coverage Area (%)	≥60
Jacket	PVC
Nom. Thickness (mm)	0.80
Min. Thickness(mm)	0.55
Cable Dia.(±0.20mm)	6.90
Weight (kg/km)	45.8

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)
5	2.66
55	5.25
211	10.10
250	11.02
270	11.48
300	12.14
330	12.76
350	13.15
400	14.11
450	15.03
500	15.88
550	16.70
600	17.52
750	19.69
870	21.33
1000	22.97
1250	25.00
1450	27.50
2200	34.00

Dielectric Strength (kV/min)	1.0
Impedence (±3.0ohms)	75.0
SRL (dB,5~1000MHz)	≥20
Capacitance (pF/m)	53.1
Conductor DCR@ 20°C (ohms/km)	≤119
DC Loop Resistance@ 20°C (ohms/km)	≤152
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 Break Strength (N)	≥641
Center Conductor Bond To dielectric (N)	≥2.3