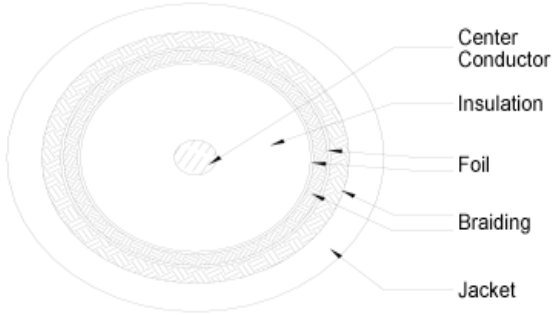


# SCP-RG 6 CATV Cable

## Cross Section



## Marking

E198134-S RG-6/U QUAD SHIELD 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

## Reference Standard

UL1655, UL13, UL444 Telecordio:GR-2881-CORE

## Construction

<b>Center Conductor</b>	<b>Bare Copper</b>
AWG	18
Dia.	1.02
<b>Insulation</b>	<b>Skin Foam PE</b>
Nom. Thickness(mm)	1.78
Insulation Dia. (±0.08mm)	4.57
The first Al-maylar Shield (Overlapping, %)	≥25
<b>The first Braid Shield</b>	<b>Aluminium Wire</b>
Construction (mm)	16/4/0.16
Coverage Area (%)	≥60
The second Al-maylar Shield (Overlapping, %)	≥25
<b>The second Braid Shield</b>	<b>Aluminium Wire</b>
Construction (mm)	16/3/0.16
Coverage Area (%)	≥40
<b>Jacket</b>	<b>PVC</b>
Nom. Thickness (mm)	0.65
Min. Thickness(mm)	0.55
Cable Dia.(±0.20mm)	7.30
<b>Weight (kg/km)</b>	48.2

## 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	
350	13.15	
400	14.11	
450	15.30	
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,5~2200MHz)		≥20
Capacitance (pF/m)		53.1
Conductor DCR@ 20°C (ohms/km)		≤119
DC Loop Resistance@ 20°C (ohms/km)		≤136
Velocity Of Propagation (%)		≥82
<b>Mechanical Characteristics:</b>		
<b>Test Object</b>		<b>Jacket</b>
Test Material		PVC
Before	Tensile Strength (Mpa)	≥10
Aging	Elongation (%)	≥170
Aging Condition (°C_hrs)		110.0±1.0_168
After	Tensile Strength (Mpa)	≥ 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