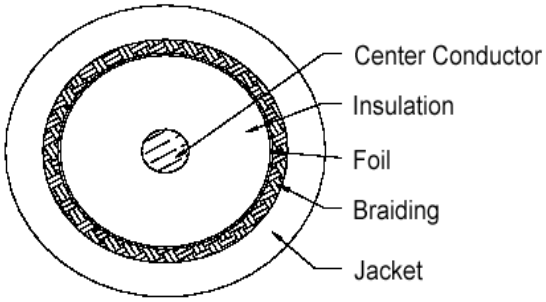
SCP-RG 59U Digital 3.0GHZ

Cross Section



Marking

STRUCTURED CABLE PRODUCTS --- E198134-S RG-59/U DIGITAL
20AWG 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	
Reference Standard	
SCTE IPS-SP-001, UL1655, UL13, UL444	

Construction

Center Conductor	**Bare Copper**
AWG	20
Dia.	0.82
Insulation	**Foamed PE**
Nom. Thickness(mm)	1.42
Insulation Dia. (±0.08mm)	3.66
Al-maylar Shield (Overlapping, %)	>=25
Braid Shield	**Tinned Copper**
Construction (mm)	16/7/0.16
Coverage Area (%)	95
Jacket	**PVC**
Nom. Thickness (mm)	0.70
Min. Thickness(mm)	0.60
Cable Dia.(±0.20mm)	5.80
Weight (kg/km)	51.5

Performance

Electrical Characteristics:

Frequency (MHz)	Attenuation (dB/100m)
1	1.30
5	2.45
10	3.40
88.50	8.75
100	9.15
180	12.00
270	14.60
360	16.75
540	20.00
720	23.20
750	23.90
1000	27.50
1500	33.80
2000	40.00
2250	42.70
3000	49.65

Dielectric Strength (kV/min)	1.0
Impedence (±3.0_)	75.0
SRL (dB,5~1000MHz)	_20
SRL (dB,1000~3000MHz)	_17.6
Capacitance (pF/m)	53.1
Conductor DCR@ 20_ (_/km)	_188
Velocity Of Propagation (%)	_82

Mechanical Characteristics:

Test Object		**Jacket**
Test Material		PVC
Before Aging	Tensile Strength (Mpa)	>=13.8
	Elongation (%)	>=100
Aging Condition (__hrs)		100x240
After Aging	Tensile Strength (Mpa)	_ 85% unaged
	Elongation (%)	_ 50% unaged
Cold Bend (-20±2__4hrs)		No crack
Jacket impact test(-15_)		No crack
Jacket Longitudinal Shrinkage (%)		_5
Center Conductor Bond To dielectric (N)		_2.3