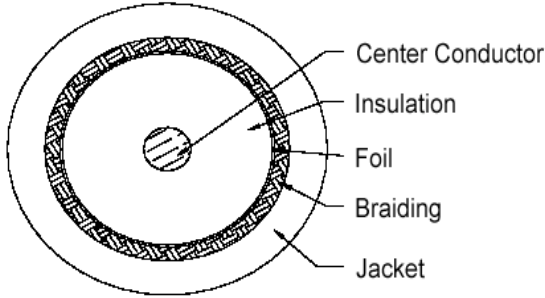


SCP-RG 59U Digital 3.0GHZ

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 Tensile Strength (Mpa) | >=13.8 |
| Aging Elongation (%) | >=100 |
| Aging Condition (_hrs) | 100x240 |
| 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 |
| Center Conductor Bond To dielectric (N) | _2.3 |