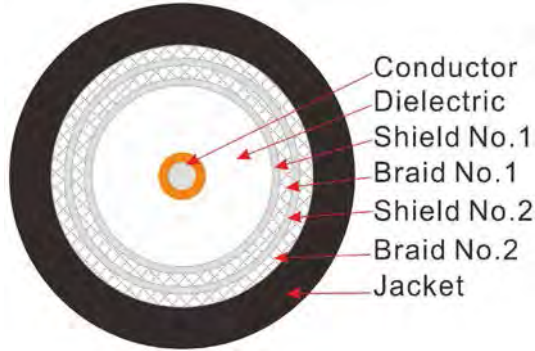




SCP Part Number: RG6/UQ-CCS-BK-SPL

REV.A

Cross Section



Description

RG6/U QUAD SHIELD 3.0 GHz 18 AWG CCS, 60%/40% AL BRAID, CM RATING- 1000 FT SPOOL- BLACK

Marking

STRUCTURED CABLE PRODUCTS Exxxxx (UL) OR C(UL) CM 18 AWG CCS 75C MM/YY -- P/N: RG6/UQ-CCS -- RG6/U QUAD SHIELD SWEEP TESTED TO 3.0 GHz HDTV, 60%/40% AL BRAID CE EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 xxxxFEET

Construction

| | |
|--------------------------------|-----------------------------|
| Center Conductor: | Copper Clad Steel |
| Size | 18AWG |
| Dia.(in/mm) | 0.0403/1.02 |
| Insulate | Skin Foam PE |
| Nom. Thickness(in/mm) | 0.070/1.78 |
| Insulation Dia.(in/mm) | 0.0180/4.57 |
| The First Shield | Bonded Aluminum Foil |
| Coverage Area (%) | 100 |
| The First Braid Shield | Aluminum Wire |
| Coverage Area(%) | 60 |
| The second Shield | Aluminum Foil |
| Coverage Area(%) | 100 |
| the Second Braid Shield | Aluminum Wire |
| Coverage Area(%) | 40 |
| Jacket | Black FR-PVC |
| Nom. Thickness(mm) | 0.030/0.76 |
| Min. Thickness(mm) | 0.024/0.61 |
| Cable Dia.(mm) | 0.297/7.54 |
| Packing | Wooden spool |
| Length(ft/m) | 1000/305 |
| Gross Weight(lbs/kg) | 34.17/15.50 |

Performance

Electrical Characteristics:[@68°F.(20°C.)]

| Frequency (MHz) | Attenuation (dB/100ft) | Attenuation (dB/100m) |
|-----------------|------------------------|-----------------------|
| 5 | 0.79 | 2.57 |
| 10 | 0.82 | 2.66 |
| 50 | 1.47 | 4.79 |
| 100 | 2.05 | 6.72 |
| 200 | 2.84 | 9.28 |
| 400 | 4.06 | 13.28 |
| 700 | 5.60 | 18.36 |
| 900 | 6.24 | 20.43 |
| 1000 | 6.60 | 21.61 |
| 1200 | 7.50 | 24.59 |
| 1450 | 8.04 | 26.36 |
| 1800 | 8.84 | 28.98 |
| 2200 | 9.77 | 32.03 |
| 2500 | 11.13 | 36.47 |
| 2750 | 11.58 | 37.94 |
| 3000 | 12.06 | 39.54 |

| | |
|-------------------------------------|-------------------------------------|
| Dielectric Strength (kV/min) | 1 |
| Impedance (ohms) | 75±3.0 |
| SRL (dB) | 5~1000MHz >=20 1001~3000MHz >=15 |
| Capacitance (pF/ft) | 16.2 |
| Conductor DCR@ 20°C (ohms/kft) | 31 |
| DC Loop Resistance@ 20°C (ohms/kft) | 38.52 |
| Velocity Of Propagation (%) | 85 |

Mechanical Characteristics:

| | |
|---------------------------------------|-------------|
| Test Object: | Jacket |
| Test Material | |
| Before Tensile strength (psi) | 2000 |
| Aging Elongation (%) | 200 |
| Aging Condition (°C_hrs) | 100_168 |
| After Tensile strength (%) | >=85%unaged |
| Aging Elongation (%) | >=50%unaged |
| Cold Bend (-20±2°C/4hrs) | No Crack |
| Jacket Longitudinal Shrinkage (%) | >=5 |
| Center Conductor break Strength (lbs) | 85 |
| Operating Temperature Range (°C) | -20~75 |

Standards

UL, CE, RoHS