

Semi-Rigid Coaxial Cable

MECHANICAL CHARACTERISTICS

| | |
|--|---|
| Outer Conductor Diameter, inch (mm) | 0.0865+0.002 /-0.001 (2.197+0.0508 / -0.0254) |
| Dielectric Diameter, inch (mm) | 0.066 (1.676) |
| Center Conductor Diameter, inch (mm) | 0.0201+/-0.0005 (0.511+/-0.0127) |
| Maximum Length, feet (meters) | 20 (6.1) |
| Minimum Inside Bend Radius, inch (mm) | 0.05 (1.27) |
| Weight, pounds/100 ft. (kg/100 meters) | 1.58 (2.35) |

ELECTRICAL CHARACTERISTICS

| | | | |
|--|------------------|-----------------------|--------------|
| Impedance, ohms | 50+/-1.5 | | |
| Frequency Range GHz | DC-20 | | |
| Velocity of Propagation % | 70 | | |
| Capacitance, pF/ft. (pF/meter) | 32 (105) | | |
| Typical Insertion Loss, dB/ft. (dB/meter) and Average Power Handling, Watts CW at 20 degrees Celsius and Sea level | Frequency | Insertion Loss | Power |
| | 0.5 GHz | 0.15 (0.49) | 180 |
| | 1.0 GHz | 0.22 (0.72) | 130 |
| | 5.0 GHz | 0.50 (1.64) | 54 |
| | 10.0 GHz | 0.80 (2.62) | 35 |
| | 20.0 GHz | 1.30 (4.27) | 20 |
| Corona Extinction Voltage, VRMS @ 60 Hz | 1500 | | |
| Voltage Withstand, VRMS @ 60 Hz | 5000 | | |

ENVIRONMENTAL CHARACTERISTICS

| | |
|--|-----|
| Outer Conductor Integrity Temperature, Deg Celsius | 175 |
| Maximum Operating Temperature, Deg Celsius | 125 |

MATERIALS

| | |
|------------------|-------------------|
| Outer Conductor | Tin plated Copper |
| Dielectric | PTFE |
| Center Conductor | SPCW |

CUTAWAY

