

Semi-Rigid Coaxial Cable

MECHANICAL CHARACTERISTICS

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|--|----------------------------------|
| Outer Conductor Diameter, inch (mm) | 0.034+/-0.001 (0.864+/-0.0254) |
| Dielectric Diameter, inch (mm) | 0.027 (0.686) |
| Center Conductor Diameter, inch (mm) | 0.0028+/-0.0005 (0.071+/-0.0127) |
| Maximum Length, feet (meters) | 15 (4.57) |
| Minimum Inside Bend Radius, inch (mm) | 0.125 (3.175) |
| Weight, pounds/100 ft. (kg/100 meters) | 0.19 (0.28) |

ELECTRICAL CHARACTERISTICS

| | | | |
|--|------------------|-----------------------|--------------|
| Impedance, ohms | 95+/-4.0 | | |
| Frequency Range GHz | DC-177 | | |
| Velocity of Propagation % | 70 | | |
| Capacitance, pF/ft. (pF/meter) | 14.8 (48.6) | | |
| 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 | 0.42 (1.38) | 28.2 |
| | 1.0 GHz | 0.60 (1.98) | 19.9 |
| | 5.0 GHz | 1.37 (4.51) | 8.8 |
| | 10.0 GHz | 1.97 (6.46) | 6.1 |
| | 20.0 GHz | 2.83 (9.29) | 4.3 |
| Corona Extinction Voltage, VRMS @ 60 Hz | 1000 | | |
| Voltage Withstand, VRMS @ 60 Hz | 2000 | | |

ENVIRONMENTAL CHARACTERISTICS

| | |
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| Outer Conductor Integrity Temperature, Deg Celsius | 150 |
| Maximum Operating Temperature, Deg Celsius | 125 |

MATERIALS

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

CUTAWAY

