

**Semi-Rigid Coaxial Cable**

MECHANICAL CHARACTERISTICS

Outer Conductor Diameter, inch (mm)	0.034+/-0.001 (0.864+/-0.0254)
Dielectric Diameter, inch (mm)	0.023 (0.58)
Center Conductor Diameter, inch (mm)	0.0126+/-0.0005 (0.320+/-1.0127)
Maximum Length, feet (meters)	15 (4.57)
Minimum Inside Bend Radius, inch (mm)	0.05 (1.27)
Weight, pounds/100 ft. (kg/100 meters)	0.26 (0.39)

ELECTRICAL CHARACTERISTICS

Impedance, ohms	25+/-2.0		
Frequency Range GHz	DC-148		
Velocity of Propagation %	70		
Capacitance, pF/ft. (pF/meter)	58 (190.4)		
Typical Insertion Loss, dB/ft. (dB/meter) and Average Power Handling, Watts CW at 20 degrees Celsius and Sea level	<b>Frequency</b>	<b>Insertion Loss</b>	<b>Power</b>
	0.5 GHz	0.50 (1.64)	30
	1.0 GHz	0.71 (2.32)	21.2
	5.0 GHz	1.61 (5.27)	9.4
	10.0 GHz	2.30 (7.53)	6.6
	20.0 GHz	3.29 (10.81)	4.6
Corona Extinction Voltage, VRMS @ 60 Hz	200		
Voltage Withstand, VRMS @ 60 Hz	500		

ENVIRONMENTAL CHARACTERISTICS

Outer Conductor Integrity Temperature, Deg Celsius	175
Maximum Operating Temperature, Deg Celsius	150

MATERIALS

Outer Conductor	Copper
Dielectric	PTFE
Center Conductor	SPCW

CUTAWAY

