

**Semi-Rigid Coaxial Cable**

MECHANICAL CHARACTERISTICS

Outer Conductor Diameter, inch (mm)	0.141+/-0.001 (3.581+/-0.0254)
Dielectric Diameter, inch (mm)	0.117 (2.97)
Center Conductor Diameter, inch (mm)	0.0508+/-0.001 (1.29+/-0.0254)
Maximum Length, feet (meters)	20 (6.1)
Minimum Inside Bend Radius, inch (mm)	0.188 (4.775)
Weight, pounds/100 ft. (kg/100 meters)	3.5 (5.21)

ELECTRICAL CHARACTERISTICS

Impedance, ohms	35+/-1.0		
Frequency Range GHz	DC-31		
Velocity of Propagation %	70		
Capacitance, pF/ft. (pF/meter)	41.5 (136)		
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	0.09 (0.28)	552.4
	1.0 GHz	0.12 (0.41)	384.6
	5.0 GHz	0.30 (0.99)	161.5
	10.0 GHz	0.45 (1.48)	109.2
	20.0 GHz	0.69 (2.25)	72.7
Corona Extinction Voltage, VRMS @ 60 Hz	1500		
Voltage Withstand, VRMS @ 60 Hz	3000		

ENVIRONMENTAL CHARACTERISTICS

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

MATERIALS

Outer Conductor	Copper
Dielectric	PTFE
Center Conductor	SPC

CUTAWAY

