

**Semi-Rigid Coaxial Cable**

**MECHANICAL CHARACTERISTICS**

Outer Conductor Diameter, inch (mm)	0.141+0.002 / -0.001 (3.581+0.0508 / -0.0254)
Dielectric Diameter, inch (mm)	0.1175 (2.985)
Center Conductor Diameter, inch (mm)	0.0359+0.0010/-0.0004 (0.91+0.0254/-0.0102)
Maximum Length, feet (meters)	20 (6.1)
Minimum Inside Bend Radius, inch (mm)	0.075 (1.91)
Weight, pounds/100 ft. (kg/100 meters)	3.14 (4.67)

**ELECTRICAL CHARACTERISTICS**

Impedance, ohms	50+/-1.0		
Frequency Range GHz	DC-34		
Velocity of Propagation %	70		
Capacitance, pF/ft. (pF/meter)	29 (95.1)		
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	0.08 (0.26)	483.5
	1.0 GHz	0.11 (0.37)	336.2
	5.0 GHz	0.28 (0.91)	140.4
	10.0 GHz	0.42 (1.36)	94.6
	20.0 GHz	0.64 (2.09)	62.7
Corona Extinction Voltage, VRMS @ 60 Hz	1900		
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**

