

Semi-Rigid Coaxial Cable

MECHANICAL CHARACTERISTICS

Outer Conductor Diameter, inch (mm)	0.0495+/-0.001 (1.26+/-0.0254)
Dielectric Diameter, inch (mm)	0.037 (0.94)
Center Conductor Diameter, inch (mm)	0.0113+/-0.0005 (0.287+/-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)	0.41 (0.61)

ELECTRICAL CHARACTERISTICS

Impedance, ohms	50+/-4.0		
Frequency Range GHz	DC-109		
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	0.20 (0.65)	125.4
	1.0 GHz	0.29 (0.94)	88.1
	5.0 GHz	0.66 (2.16)	38.5
	10.0 GHz	0.96 (3.14)	26.8
	20.0 GHz	1.40 (4.60)	18.5
Corona Extinction Voltage, VRMS @ 60 Hz	750		
Voltage Withstand, VRMS @ 60 Hz	1500		

ENVIRONMENTAL CHARACTERISTICS

Outer Conductor Integrity Temperature, Deg Celsius	250
Maximum Operating Temperature, Deg Celsius	225

MATERIALS

Outer Conductor	Copper
Dielectric	PTFE
Center Conductor	SPCW

CUTAWAY

