

Semi-Rigid Coaxial Cable

MECHANICAL CHARACTERISTICS

Outer Conductor Diameter, inch (mm)	0.047+/-0.001 (1.194+/-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)	0.125 (3.175)
Weight, pounds/100 ft. (kg/100 meters)	0.45 (0.67)

ELECTRICAL CHARACTERISTICS

Impedance, ohms	50+/-2.5		
Frequency Range GHz	DC-20		
Velocity of Propagation %	70		
Capacitance, pF/ft. (pF/meter)	32.2 (105.6)		
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	0.28 (0.92)	45
	1.0 GHz	0.40 (1.31)	32
	5.0 GHz	0.90 (2.95)	13
	10.0 GHz	1.30 (4.27)	9
	20.0 GHz	1.90 (6.23)	6.5
Corona Extinction Voltage, VRMS @ 60 Hz	1000		
Voltage Withstand, VRMS @ 60 Hz	2000		

ENVIRONMENTAL CHARACTERISTICS

Outer Conductor Integrity Temperature, Deg Celsius	175
Maximum Operating Temperature, Deg Celsius	100

MATERIALS

Outer Conductor	Copper
Dielectric	PTFE
Center Conductor	SPCW

CUTAWAY

