

Semi-Rigid Coaxial Cable

MECHANICAL CHARACTERISTICS

Outer Conductor Diameter, inch (mm)	0.141+/-0.001 (3.581+/-0.0254)
Dielectric Diameter, inch (mm)	0.1175 (2.985)
Center Conductor Diameter, inch (mm)	0.0359+/-0.001 (0.912+/-0.0254)
Maximum Length, feet (meters)	20 (6.1)
Minimum Inside Bend Radius, inch (mm)	0.25 (6.35)
Weight, pounds/100 ft. (kg/100 meters)	2.94 (4.37)

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	Frequency	Insertion Loss	Power
	0.5 GHz	0.18 (0.58)	347.5
	1.0 GHz	0.25 (0.83)	243.9
	5.0 GHz	0.59 (1.94)	105.8
	10.0 GHz	0.86 (2.82)	73.2
	20.0 GHz	1.26 (4.14)	50.2
Corona Extinction Voltage, VRMS @ 60 Hz	1900		
Voltage Withstand, VRMS @ 60 Hz	5000		

ENVIRONMENTAL CHARACTERISTICS

Outer Conductor Integrity Temperature, Deg Celsius	250
Maximum Operating Temperature, Deg Celsius	200

MATERIALS

Outer Conductor	304 Stainless Steel
Dielectric	PTFE
Center Conductor	SPBeCu

CUTAWAY

