

Semi-Rigid Coaxial Cable

MECHANICAL CHARACTERISTICS

Outer Conductor Diameter, inch (mm)	0.0865+/-0.001 (2.197+/-0.0254)
Dielectric Diameter, inch (mm)	0.066 (1.676)
Center Conductor Diameter, inch (mm)	0.0201+/-0.0005 (0.511+/-0.0127)
Maximum Length, feet (meters)	20 (6.1)
Minimum Inside Bend Radius, inch (mm)	0.25 (6.35)
Weight, pounds/100 ft. (kg/100 meters)	1.25 (1.86)

ELECTRICAL CHARACTERISTICS

Impedance, ohms	50+/-2.0		
Frequency Range GHz	DC-61		
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	0.31 (1.02)	143.1
	1.0 GHz	0.44 (1.46)	100.8
	5.0 GHz	1.02 (3.33)	44.3
	10.0 GHz	1.46 (4.79)	30.9
	20.0 GHz	2.11 (6.94)	21.3
Corona Extinction Voltage, VRMS @ 60 Hz	1500		
Voltage Withstand, VRMS @ 60 Hz	5000		

ENVIRONMENTAL CHARACTERISTICS

Outer Conductor Integrity Temperature, Deg Celsius	225
Maximum Operating Temperature, Deg Celsius	200

MATERIALS

Outer Conductor	304 Stainless Steel
Dielectric	PTFE
Center Conductor	SP BeCu

CUTAWAY

