

Semi-Rigid Coaxial Cable

MECHANICAL CHARACTERISTICS

Outer Conductor Diameter, inch (mm)	0.020+/-0.001 (0.508+/-0.0254)
Dielectric Diameter, inch (mm)	0.015 (0.381)
Center Conductor Diameter, inch (mm)	0.0045+/-0.0005 (0.114+/-0.0127)
Maximum Length, feet (meters)	10 (3.05)
Minimum Inside Bend Radius, inch (mm)	0.05 (1.27)
Weight, pounds/100 ft. (kg/100 meters)	0.07 (0.1)

ELECTRICAL CHARACTERISTICS

Impedance, ohms	50+/-2.0		
Frequency Range GHz	DC-270		
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 0.5 GHz 1.0 GHz 5.0 GHz 10.0 GHz 20.0 GHz	Insertion Loss 1.35 (4.43) 1.91 (6.27) 4.30 (14.09) 6.10 (20.01) 8.67 (28.45)	Power 7.6 5.3 2.4 1.7 1.2
Corona Extinction Voltage, VRMS @ 60 Hz	500		
Voltage Withstand, VRMS @ 60 Hz	750		

ENVIRONMENTAL CHARACTERISTICS

Outer Conductor Integrity Temperature, Deg Celsius	175
Maximum Operating Temperature, Deg Celsius	150

MATERIALS

Outer Conductor	304 Stainless Steel
Dielectric	PTFE
Center Conductor	SPCW

CUTAWAY

