

**MECHANICAL CHARACTERISTICS**

Outer Conductor Diameter, inch (mm)	0.047+0.002 / -0.001 (1.194+0.0508 / -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)	0.48 (0.71)

**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)	Frequency	Insertion Loss	Power
and Average Power Handling, Watts CW at 20 degrees Celsius and Sea level	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	Tin plated Copper
Dielectric	PTFE
Center Conductor	SPCW

**CUTAWAY**