

**RG401/U****Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0641	1.63
Dielectric	PTFE	0.209	5.30
Outer Conductor	Seamless Copper Tube	0.250	6.35

**Electrical & Mechanical Characteristics**

Capacitance (pF/m)	95.1
Impedance ( $\Omega$ )	50.0
Velocity of Propagation (%)	70.0
Max Operating Frequency (GHz)	18.0
Max Operating Voltage (RMS)	3000.0
Min. Inside Bend Radius (mm)	12.5
Operating Temp Range ( $^{\circ}\text{C}$ )	-55 to +100

**Attenuation & Average Power( 20  $^{\circ}\text{C}$  & Seal Level)**

Frequency(GHz)	Max Attenuation dB/ft. (dB/meter)	Power (Watts CW)
0.5	0.05 (0.16)	1332.1
1.0	0.07 (0.23)	914.6
5.0	0.17 (0.57)	364.4
10.0	0.27 (0.89)	238.2
18.0	0.48 (1.57)	200.0

