

**HSR-141C-35****Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0508+/-0.001	1.29+/-0.0254
Dielectric	PTFE	0.117+/-0.001	2.97+/-0.0254
Outer Conductor	Seamless Copper Tube	0.141+/-0.001	3.58+/-0.0254

**Electrical & Mechanical Characteristics**

Capacitance (pF/m)	136.0
Impedance ( $\Omega$ )	35+/-2
Velocity of Propagation (%)	70.0
Corona Extinction voltage (VRMS@60Hz)	1500.0
Voltage withstanding (VRMS@60Hz)	3000.0
Max Operating Frequency (GHz)	31.0
Min. Inside Bend Radius (mm)	12.5
Outer Conductor Integrity Temp ( $^{\circ}\text{C}$ )	175.0
Operating Temp Range ( $^{\circ}\text{C}$ )	-55 to +125

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

Frequency(GHz)	Max Attenuation dB/ft. (dB/meter)	Power (Watts CW)
0.5	0.09 (0.28)	552.4
1.0	0.12 (0.41)	384.6
5.0	0.30 (0.99)	161.5
10.0	0.45 (1.48)	109.2
20.0	0.69 (2.25)	72.7

