

**HSR-141C-LL****Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0403+/-0.001	1.02+/-0.0254
Dielectric	LD PTFE	0.1175+/-0.002	2.99+/-0.0508
Outer Conductor	Seamless Copper Tube	0.141+/-0.002	3.58+/-0.0508

**Electrical & Mechanical Characteristics**

Capacitance (pF/m)	87.3
Impedance ( $\Omega$ )	50+/-2
Velocity of Propagation (%)	77.0
Corona Extinction voltage (VRMS@60Hz)	1900.0
Voltage withstanding (VRMS@60Hz)	5000.0
Max Operating Frequency (GHz)	36.0
Min. Inside Bend Radius (mm)	12.5
Outer Conductor Integrity Temp ( $^{\circ}\text{C}$ )	N/A
Operating Temp Range ( $^{\circ}\text{C}$ )	-55 to +200

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

Frequency(GHz)	Max Attenuation dB/ft. (dB/meter)	Power (Watts CW)
0.5	0.07 (0.23)	821.0
1.0	0.10 (0.33)	576.0
5.0	0.23 (0.75)	249.0
10.0	0.33 (1.09)	172.0
20.0	0.49 (1.59)	117.0

