

HSR-141C-25**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.064+/-0.001	1.63+/-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)	190.4
Impedance (Ω)	25+/-2
Velocity of Propagation (%)	70.0
Corona Extinction voltage (VRMS@60Hz)	1000.0
Voltage withstanding (VRMS@60Hz)	2000.0
Max Operating Frequency (GHz)	29.0
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	0.10 (0.33)	471.7
1.0	0.15 (0.48)	329.1
5.0	0.35 (1.15)	139.4
10.0	0.52 (1.70)	94.9
20.0	0.78 (2.56)	63.7

