

HSR-090C-25**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0403+/-0.0005	1.02+/-0.0127
Dielectric	PTFE	0.073+/-0.001	1.85+/-0.0254
Outer Conductor	Seamless Copper Tube	0.090+/-0.001	2.29+/-0.0254

Electrical & Mechanical Characteristics

Capacitance (pF/m)	190.4
Impedance (Ω)	25+/-2
Velocity of Propagation (%)	70.0
Corona Extinction voltage (VRMS@60Hz)	750.0
Voltage withstanding (VRMS@60Hz)	1000.0
Max Operating Frequency (GHz)	46.0
Min. Inside Bend Radius (mm)	8.0
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	0.16 (0.53)	205.0
1.0	0.23 (0.75)	143.8
5.0	0.54 (1.77)	62.1
10.0	0.79 (2.58)	42.8
20.0	1.16 (3.81)	29.3

