

HSR-034-SP**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper clad steel	0.008+/-0.0005	0.20+/-0.0127
Dielectric	PTFE	0.026+/-0.001	0.66+/-0.0254
Outer Conductor	Seamless Silver-Plated Copper Tube	0.034+/-0.001	0.86+/-0.0254

Electrical & Mechanical Characteristics

Capacitance (pF/m)	95.1
Impedance (Ω)	50+/-3
Velocity of Propagation (%)	70.0
Corona Extinction voltage (VRMS@60Hz)	750.0
Voltage withstanding (VRMS@60Hz)	2000.0
Max Operating Frequency (GHz)	155.0
Min. Inside Bend Radius (mm)	3.0
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	0.34 (1.12)	28.5
1.0	0.48 (1.58)	20
5.0	1.10 (3.62)	8.8
10.0	1.59 (5.20)	6.2
20.0	2.29 (7.52)	4.3

