

HSR-0865C-LL**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0226+/-0.0005	0.574+/-0.0127
Dielectric	LD PTFE	0.066+/-0.001	1.68+/-0.0254
Outer Conductor	Seamless Copper Tube	0.0865+/-0.001	2.20+/-0.0254

Electrical & Mechanical Characteristics

Capacitance (pF/m)	87.3
Impedance (Ω)	50+/-2
Velocity of Propagation (%)	77.0
Corona Extinction voltage (VRMS@60Hz)	1500.0
Voltage withstanding (VRMS@60Hz)	2500.0
Max Operating Frequency (GHz)	64.0
Min. Inside Bend Radius (mm)	9.2
Outer Conductor Integrity Temp ($^{\circ}\text{C}$)	175.0
Operating Temp Range ($^{\circ}\text{C}$)	-55 to + 250

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

Frequency(GHz)	Max Attenuation dB/ft. (dB/meter)	Power (Watts CW)
0.5	0.12 (0.41)	340.0
1.0	0.18 (0.58)	239.0
5.0	0.40 (1.32)	105.0
10.0	0.57 (1.88)	73.0
20.0	0.83 (2.71)	50.0

