

HSR-0865-AL-TP**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper clad steel	0.0201+/-0.0005	0.51+/-0.0127
Dielectric	PTFE	0.066+/-0.001	1.68+/-0.0254
Outer Conductor	Tin-Plated Aluminum Tube	0.0865+/-0.001	2.20+/-0.0254

Electrical & Mechanical Characteristics

Capacitance (pF/m)	95.1
Impedance (Ω)	50+/-2
Velocity of Propagation (%)	70.0
Corona Extinction voltage (VRMS@60Hz)	1500.0
Voltage withstanding (VRMS@60Hz)	2500.0
Max Operating Frequency (GHz)	61.0
Min. Inside Bend Radius (mm)	7.6
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	0.14 (0.46)	173.5
1.0	0.20 (0.66)	121.5
5.0	0.46 (1.51)	52.2
10.0	0.68 (2.23)	35.8
20.0	1.00 (3.28)	24.3

