

HSR-141-AL-TP**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper clad steel	0.0359+/-0.0005	0.91+/-0.0127
Dielectric	PTFE	0.1175+/-0.002	2.98+/-0.0508
Outer Conductor	Tin-Plated Aluminum Tube	0.141+/-0.002	3.58+/-0.0508

Electrical & Mechanical Characteristics

Capacitance (pF/m)	95.1
Impedance (Ω)	50+/-2
Velocity of Propagation (%)	70.0
Corona Extinction voltage (VRMS@60Hz)	1900.0
Voltage withstanding (VRMS@60Hz)	5000.0
Max Operating Frequency (GHz)	34.0
Min. Inside Bend Radius (mm)	12.5
Outer Conductor Integrity Temp ($^{\circ}\text{C}$)	175.0
Operating Temp Range ($^{\circ}\text{C}$)	-55 to +200

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

Frequency(GHz)	Max Attenuation dB/ft. (dB/meter)	Power (Watts CW)
0.5	0.08 (0.26)	436.5
1.0	0.12 (0.39)	303.4
5.0	0.29 (0.95)	126.7
10.0	0.44 (1.44)	85.5
20.0	0.67 (2.20)	56.6

