

HSR-141C-AL-TP-LL**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0403+/-0.001	1.02+/-0.0254
Dielectric	LD 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)	88.6
Impedance (Ω)	50+/-2
Velocity of Propagation (%)	77.0
Corona Extinction voltage (VRMS@60Hz)	1900.0
Voltage withstanding (VRMS@60Hz)	5000.0
Max Operating Frequency (GHz)	36.0
Min. Inside Bend Radius (mm)	12.5
Outer Conductor Integrity Temp ($^{\circ}\text{C}$)	N/A
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 (0.25)	635.8
1.0	0.11 (0.35)	446.2
5.0	0.25 (0.82)	193.4
10.0	0.36 (1.18)	133.7
20.0	0.52 (1.71)	91.6

