

HSR-250C-AL-TP**Construction**

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper	0.0641+/-0.001	1.63+/-0.0254
Dielectric	PTFE	0.209+/-0.001	5.30+/-0.0254
Outer Conductor	Seamless Tin-Plated Aluminum Tube	0.250+/-0.001	6.35+/-0.0254

Electrical & Mechanical Characteristics

Capacitance (pF/m)	95.1
Impedance (Ω)	50+/-2
Velocity of Propagation (%)	70.0
Corona Extinction voltage (VRMS@60Hz)	3000.0
Voltage withstanding (VRMS@60Hz)	7500.0
Max Operating Frequency (GHz)	19.0
Min. Inside Bend Radius (mm)	12.5
Outer Conductor Integrity Temp ($^{\circ}\text{C}$)	150.0
Operating Temp Range ($^{\circ}\text{C}$)	-55 to +100

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

Frequency(GHz)	Max Attenuation dB/ft. (dB/meter)	Power (Watts CW)
0.5	0.05 (0.16)	962.1
1.0	0.07 (0.23)	661.7
5.0	0.19 (0.61)	265.3
10.0	0.28 (0.94)	174.1
20.0	0.00 (0.00)	0.0

