

HSR-250-75-TP

TD

Construction

	Material	Diameter (Inch/mm)	
Inner Conductor	Silver plated copper clad steel	0.0359+/-0.001	0.912+/-0.0254
Dielectric	PTFE	0.214+/-0.001	5.44+/-0.0254
Outer Conductor	Seamless Tin-Plated Copper Tube	0.250+/-0.001	6.35+/-0.0254

Electrical & Mechanical Characteristics

Capacitance (pF/m)	63.5
Impedance (Ω)	75+/-2
Velocity of Propagation (%)	70.0
Corona Extinction voltage (VRMS@60Hz)	3000.0
Voltage withstanding (VRMS@60Hz)	7500.0
Max Operating Frequency (GHz)	38.0
Min. Inside Bend Radius (mm)	12.5
Outer Conductor Integrity Temp ($^{\circ}$ C)	150.0
Operating Temp Range ($^{\circ}$ C)	-55 to +100

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

Frequency(GHz)	Max Attenuation dB/ft. (dB/meter)	Power (Watts CW)
0.5	0.05 (0.16)	987.7
1.0	0.07 (0.23)	679.4
5.0	0.18 (0.59)	272.5
10.0	0.28 (0.92)	178.9
20.0	0.45 (1.46)	114.8

