

HSR-043C-10**Construction**

| | Material | Diameter (Inch/mm) | |
|-----------------|----------------------|--------------------|---------------|
| Inner Conductor | Silver plated copper | 0.0285+/-0.0005 | 0.72+/-0.0127 |
| Dielectric | PTFE | 0.036+/-0.001 | 0.91+/-0.0254 |
| Outer Conductor | Seamless Copper Tube | 0.043+/-0.001 | 1.09+/-0.0254 |

Electrical & Mechanical Characteristics

| | |
|---|-------------|
| Capacitance (pF/m) | 476.0 |
| Impedance (Ω) | 10+/-3 |
| Velocity of Propagation (%) | 70.0 |
| Corona Extinction voltage (VRMS@60Hz) | 200.0 |
| Voltage withstanding (VRMS@60Hz) | 500.0 |
| Max Operating Frequency (GHz) | 81.0 |
| Min. Inside Bend Radius (mm) | 3.0 |
| Outer Conductor Integrity Temp ($^{\circ}\text{C}$) | 175.0 |
| Operating Temp Range ($^{\circ}\text{C}$) | -55 to +150 |

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

| Frequency(GHz) | Max Attenuation dB/ft. (dB/meter) | Power (Watts CW) |
|----------------|-----------------------------------|------------------|
| 0.5 | 0.66 (2.17) | 27.7 |
| 1.0 | 0.93 (3.05) | 19.5 |
| 5.0 | 2.10 (6.89) | 8.7 |
| 10.0 | 3.00 (9.84) | 6.1 |
| 20.0 | 4.29 (14.07) | 4.3 |

