

| Low Impedance Semi-Rigid Cable | .070AG-C-F-25 | | |
|--|----------------------|-------------|-------|
| DIMENSIONS | | | |
| Center Conductor Diameter | | | |
| (inch) | 0.032±0.001 | | |
| (mm) | 0.81± 0.0254 | | |
| Dielectric Diameter | | | |
| (inch) | 0.0551 ±0.001 | | |
| (mm) | 1.40±0.0254 | | |
| Outer Conductor Diameter | | | |
| (inch) | 0.070+0.002/-0.001 | | |
| (mm) | 1.78 +0.0508/-0.0254 | | |
| MATERIAL SPECIFICATIONS | | | |
| Outer Conductor | Silver Plated Copper | | |
| Dielectric | FEP | | |
| Center Conductor | SPC | | |
| ELECTRICAL CHARACTERISTICS | | | |
| Impedance | 25±1.5 | | |
| Capacitance (Nominal) | | | |
| (pF/ft) | 58.0 | | |
| (pF/m) | 190.4 | | |
| Corona Extinction Voltage | | | |
| (VRMS 60Hz) | 1500 | | |
| Voltage Withstanding | | | |
| (VRMS 60Hz) | 2500 | | |
| Cut off Frequency (GHz) | 58 | | |
| Typical Attenuation | Attenuation | | Power |
| Average Power (Watts CW) at 20°C and Sea Level | dB/ 100Ft | dB/ 100M | |
| 0.5GHz | 21.7 | 71.2 | 78.1 |
| 1GHz | 30.9 | 101.4 | 54.9 |
| 5GHz | 71.4 | 234.2 | 23.9 |
| 10GHz | 103.4 | 339.2 | 16.6 |
| 20GHz | 151.1 | 495.6 | 11.5 |
| MECHANICAL CHARACTERISTICS | | | |
| Max. Operating Temperature (°C) | 100 | | |
| Min. Inside Bend Radius | | | |
| (inch) | 0.125 | | |
| (mm) | 3.18 | | |
| Weight | | | |
| (g/Ft) | 4.6 | | |
| (g/M) | 15.1 | | |

This part number complies with RoHS.

Notice: JYEBAO reserves the right to make modifications deemed appropriate.