

| 50Ω Semi-rigid Coaxial Cable | .085AG-C-L-50 | | |
|--|----------------------|-------------|-------|
| DIMENSIONS | | | |
| Center Conductor Diameter | | | |
| (inch) | 0.0228±0.0005 | | |
| (mm) | 0.58 ± 0.0127 | | |
| Dielectric Diameter | | | |
| (inch) | 0.066±0.0015 | | |
| (mm) | 1.67 ±0.038 | | |
| Outer Conductor Diameter | | | |
| (inch) | 0.0865±0.002 | | |
| (mm) | 2.20±0.0508 | | |
| MATERIAL SPECIFICATIONS | | | |
| Outer Conductor | Silver Plated Copper | | |
| Dielectric | Low Density PTFE | | |
| Center Conductor | SPC | | |
| ELECTRICAL CHARACTERISTICS | | | |
| Impedance | 50±2 | | |
| Capacitance (Nominal) | | | |
| (pF/ft) | 27.0 | | |
| (pF/m) | 88.56 | | |
| Corona Extinction Voltage | | | |
| (VRMS 60Hz) | 1500 | | |
| Voltage Withstanding | | | |
| (VRMS 60Hz) | 2500 | | |
| Cut off Frequency (GHz) | 64 | | |
| Typical Attenuation | Attenuation | | Power |
| Average Power (Watts CW) at 20°C and Sea Level | dB/ 100Ft | dB/ 100M | |
| 0.5GHz | 12.4 | 40.7 | 248 |
| 1GHz | 17.6 | 57.7 | 174 |
| 5GHz | 40.1 | 131.5 | 76 |
| 10GHz | 57.4 | 188.3 | 53 |
| 20GHz | 82.6 | 270.9 | 36 |
| 26.5GHz | 95.9 | 314.6 | 31 |
| 40GHz | 119.6 | 392.3 | 25 |
| MECHANICAL CHARACTERISTICS | | | |
| Max. Operating Temperature (°C) | 250 | | |
| Min. Inside Bend Radius | | | |
| (inch) | 0.250 | | |
| (mm) | 6.35 | | |
| Weight | | | |
| (g/Ft) | 6.35 | | |
| (g/M) | 20.8 | | |

This part number complies with RoHS.

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