

| 50Ω Semi-rigid Coaxial Cable   | <b>.034CU-W-P-50</b> |             |       |
|--|----------------------|-------------|-------|
| <b>DIMENSIONS</b>  |                      |             |       |
| Center Conductor Diameter  |                      |             |       |
| (inch)   | 0.008±0.0005         |             |       |
| (mm)   | 0.20 ± 0.0127        |             |       |
| Dielectric Diameter  |                      |             |       |
| (inch)   | 0.0260±.001          |             |       |
| (mm)   | 0.66 ±0.0254         |             |       |
| Outer Conductor Diameter   |                      |             |       |
| (inch)   | 0.034±0.001          |             |       |
| (mm)   | 0.86 ±0.0254         |             |       |
| <b>MATERIAL SPECIFICATIONS</b>   |                      |             |       |
| Outer Conductor  | Bare Copper          |             |       |
| Dielectric   | PTFE                 |             |       |
| Center Conductor   | SPCW                 |             |       |
| <b>ELECTRICAL CHARACTERISTICS</b>  |                      |             |       |
| Impedance  | 50±1.5               |             |       |
| Capacitance (Nominal)  |                      |             |       |
| (pF/ft)  | 29.0                 |             |       |
| (pF/m)   | 95.1                 |             |       |
| Corona Extinction Voltage  |                      |             |       |
| (VRMS 60Hz)  | 750                  |             |       |
| Voltage Withstanding   |                      |             |       |
| (VRMS 60Hz)  | 2000                 |             |       |
| Cut off Frequency (GHz)  | 155                  |             |       |
| Typical Attenuation<br>Average Power (Watts CW)<br>at 20°C and Sea Level | Attenuation          |             | Power |
|  | dB/<br>100Ft         | dB/<br>100M |       |
| 0.5GHz   | 34                   | 111.5       | 35.7  |
| 1GHz   | 48.3                 | 158.4       | 25.2  |
| 5GHz   | 110.4                | 362.1       | 11.1  |
| 10GHz  | 158.6                | 520.2       | 7.7   |
| 20GHz  | 229.1                | 751.4       | 5.4   |
| <b>MECHANICAL CHARACTERISTICS</b>  |                      |             |       |
| Max. Operating Temperature (°C)  | 125                  |             |       |
| Min. Inside Bend Radius  |                      |             |       |
| (inch)   | 0.050                |             |       |
| (mm)   | 1.27                 |             |       |
| Weight   |                      |             |       |
| (g/Ft)   | 0.95                 |             |       |
| (g/M)  | 3.2                  |             |       |

This part number complies with RoHS.

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