

| 75 ohm Handbendable Coaxial Cable   | <b>.085SRF-W-P-75</b>           |             |       |
|---|---------------------------------|-------------|-------|
| <b>DIMENSIONS</b><br>Center Conductor Diameter<br>(inch)<br>(mm)          | 0.0113±0.0005<br>0.287 ± 0.0127 |             |       |
| Dielectric Diameter<br>(inch)<br>(mm)                                     | 0.067±.0002<br>1.70 ±0.05       |             |       |
| Outer Conductor Diameter<br>(inch)<br>(mm)                                | 0.0865±0.002<br>2.20 ±0.0508    |             |       |
| Jacket<br>(inch)<br>(mm)  | /<br>/                          |             |       |
| <b>MATERIAL SPECIFICATIONS</b><br>Jacket<br>Outer Conductor               | Cu/Sn Braided                   |             |       |
| Dielectric  | PTFE                            |             |       |
| Center Conductor  | SPCW                            |             |       |
| <b>ELECTRICAL CHARACTERISTICS</b><br>Impedance                            | 75±2                            |             |       |
| Velocity of Propagation   | 70%                             |             |       |
| Capacitance (Nominal)<br>(pF/ft)<br>(pF/m)                                | 19.50<br>63.96                  |             |       |
| Corona Extinction Voltage<br>(VRMS 60Hz)                                  | 1500                            |             |       |
| Voltage Withstanding<br>(VRMS 60Hz)                                       | 5000                            |             |       |
| Cut off Frequency (GHz)   | 64                              |             |       |
| Typical Attenuation<br>Average Power (Watts CW) at 40°C Ambient Still Air | Attenuation                     |             | Power |
|   | dB/<br>100Ft                    | dB/<br>100M |       |
| 0.4GHz  | 13.7                            | 44.9        | 190   |
| 0.8GHz  | 19.8                            | 64.9        | 134   |
| 1.2GHz  | 25.0                            | 82          | 110   |
| 1.6GHz  | 29.3                            | 96.1        | 95    |
| 2.0GHz  | 32.9                            | 107.9       | 85    |
| 2.4GHz  | 36.6                            | 120         | 77    |
| 2.8GHz  | 39.9                            | 130.9       | 72    |
| 3.2GHz  | 43.3                            | 142         | 67    |
| 3.6GHz  | 46.3                            | 151.9       | 63    |
| 4.0GHz  | 49.1                            | 161         | 60    |
| <b>MECHANICAL CHARACTERISTICS</b><br>Max. Operating Temperature (°C)      | 200                             |             |       |
| Min. Bend Radius<br>(inch)<br>(mm)  | 0.125<br>3.18                   |             |       |
| Weight<br>(g/Ft)<br>(g/M)   | 3.8<br>12.47                    |             |       |

This part number complies with RoHS.

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