

| High Impedance Semi-Rigid Cable                | <b>.141CU-W-P-75</b> |             |       |
|------------------------------------------------|----------------------|-------------|-------|
| <b>DIMENSIONS</b>                              |                      |             |       |
| Center Conductor Diameter                      |                      |             |       |
| (inch)                                         | 0.0201±0.0005        |             |       |
| (mm)                                           | 0.51 ± 0.0127        |             |       |
| Dielectric Diameter                            |                      |             |       |
| (inch)                                         | 0.1175±0.001         |             |       |
| (mm)                                           | 2.98 ±0 .0254        |             |       |
| Outer Conductor Diameter                       |                      |             |       |
| (inch)                                         | 0.141±0.001          |             |       |
| (mm)                                           | 3.58 ±0.0254         |             |       |
| <b>MATERIAL SPECIFICATIONS</b>                 |                      |             |       |
| Outer Conductor                                | BARE COPPER          |             |       |
| Dielectric                                     | PTFE                 |             |       |
| Center Conductor                               | SPCW                 |             |       |
| <b>ELECTRICAL CHARACTERISTICS</b>              |                      |             |       |
| Impedance                                      | 75±1                 |             |       |
| Capacitance (Nominal)                          |                      |             |       |
| (pF/ft)                                        | 19.3                 |             |       |
| (pF/m)                                         | 63.5                 |             |       |
| Corona Extinction Voltage                      |                      |             |       |
| (VRMS 60Hz)                                    | 2000                 |             |       |
| Voltage Withstanding                           |                      |             |       |
| (VRMS 60Hz)                                    | 5000                 |             |       |
| Cut off Frequency (GHz)                        | 38                   |             |       |
| Typical Attenuation                            | Attenuation          |             | Power |
| Average Power (Watts CW) at 20°C and Sea Level | dB/<br>100Ft         | dB/<br>100M |       |
| 0.5GHz                                         | 8.4                  | 27.6        | 549.0 |
| 1GHz                                           | 12.1                 | 39.7        | 382.2 |
| 5GHz                                           | 29.4                 | 96.4        | 160.6 |
| 10GHz                                          | 44.1                 | 144.7       | 108.6 |
| 20GHz                                          | 67.2                 | 220.4       | 72.4  |
| <b>MECHANICAL CHARACTERISTICS</b>              |                      |             |       |
| Max. Operating Temperature (°C)                | 125                  |             |       |
| Min. Inside Bend Radius                        |                      |             |       |
| (inch)                                         | 0.075                |             |       |
| (mm)                                           | 1.91                 |             |       |
| Weight                                         |                      |             |       |
| (g/Ft)                                         | 13.5                 |             |       |
| (g/M)                                          | 44.3                 |             |       |

This part number complies with RoHS.

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