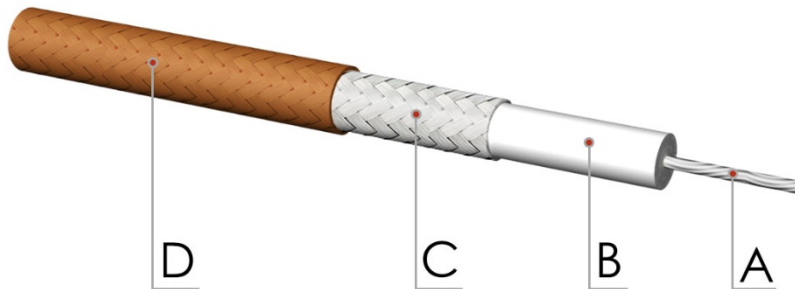


### DATASHEET



#### FEATURES:

- High power handling
- High temperature
- High flexibility
- Non-magnetic conductors

### Construction

| ITEM               | MATERIAL                             | DIAMETER           | REMARK                       |
|--------------------|--------------------------------------|--------------------|------------------------------|
| A Center Conductor | SPC (Silver Plated Copper)           | 0.31 mm (0.012 in) | Stranded (7 x 0.10 mm)       |
| B Dielectric       | PTFE (Poly Tetra Flour Ethylene)     | 1.55 mm (0.061 in) |                              |
| C Outer Conductor  | SPC (Silver Plated Copper)           | 2.00 mm (0.079 in) | 95% Coverage 80x0.10 (Braid) |
| D Jacket           | FEP (Fluorinated Ethylene Propylene) | 2.52 mm (0,099 in) | Light Brown                  |

### Electrical & Mechanical Data

|                          |                                  |
|--------------------------|----------------------------------|
| Characteristic Impedance | 75Ω (±3)                         |
| Operating Frequency      | dc - 3 GHz                       |
| Cutoff Frequency         | 40 GHz                           |
| Velocity of Propagation  | 70%                              |
| Signal Delay             | 4.8 ns/m                         |
| Capacitance              | 63 pF/m                          |
| Operating Temperature    | -65 / +165 °C (-85 / 329 °F)     |
| Working Voltage          | 1000 V <sub>RMS</sub> (max.)     |
| Weight                   | 14.7 Kg/Km                       |
| Min. Bending Radius      | 12 mm (single), 25 mm (multiple) |



### Attenuation & Power Handling

| Frequency<br>(MHz) | Typical Attenuation |            | Average max Power<br>(W) |
|--------------------|---------------------|------------|--------------------------|
|                    | (dB/100m)           | (dB/100ft) |                          |
| 10                 | 7.5                 | 2.29       | 1100                     |
| 30                 | 12.5                | 3.81       | 780                      |
| 50                 | 17.2                | 5.24       | 502                      |
| 100                | 24.5                | 7.47       | 350                      |
| 150                | 30.6                | 9.33       | 289                      |
| 500                | 58.0                | 17.68      | 160                      |
| 1000               | 84.6                | 25.79      | 111                      |
| 2000               | 124.0               | 37.80      | 81                       |
| 3000               | 159.0               | 48.48      | 63                       |