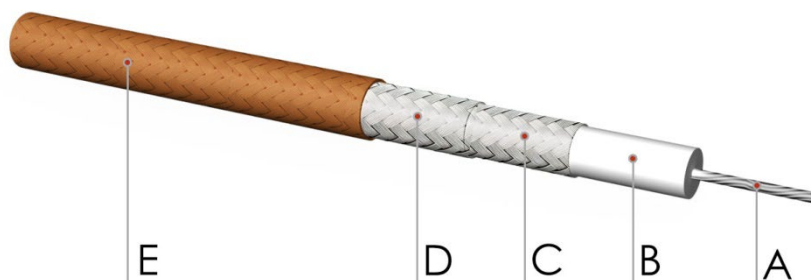


### DATASHEET



#### FEATURES:

- High temperature
- High flexibility
- Non-magnetic conductors
- Improved shielding
- Higher frequency operation

### Construction

| ITEM               | MATERIAL                             | DIAMETER           | REMARK                       |
|--------------------|--------------------------------------|--------------------|------------------------------|
| A Center Conductor | SPC (Silver Plated Copper)           | 0.53 mm (0.021 in) | Stranded (7 x 0.17 mm)       |
| B Dielectric       | PTFE (Poly Tetra Flour Ethylene)     | 1.52 mm (0.060 in) | -                            |
| C Outer Conductor  | SPC (Silver Plated Copper)           | 1.98 mm (0.078 in) | 95% Coverage 80x0.10 (Braid) |
| D Outer Conductor  | SPC (Silver Plated Copper)           | 2.32 mm (0.091 in) | 95% Coverage 80x0.10 (Braid) |
| E Jacket           | FEP (Fluorinated Ethylene Propylene) | 2.90 mm (0.114 in) | Light Brown                  |

### Electrical & Mechanical Data

|                          |                                  |
|--------------------------|----------------------------------|
| Characteristic Impedance | 50Ω (±2)                         |
| Operating Frequency      | dc - 6 GHz                       |
| Velocity of Propagation  | 70%                              |
| Signal Delay             | 4.7 ns/m                         |
| Capacitance              | 98 pF/m                          |
| Operating Temperature    | -55 / +200 °C (-67 / 392 °F)     |
| Shield Effectiveness     | > 80 dB                          |
| Working Voltage          | 1000 V <sub>RMS</sub> (max.)     |
| Weight                   | 22.0 Kg/Km                       |
| Min. Bending Radius      | 18 mm (single), 30 mm (multiple) |



### Attenuation & Power Handling

| Frequency<br>(MHz) | Typical Attenuation |            | Average max Power |
|--------------------|---------------------|------------|-------------------|
|                    | (dB/100m)           | (dB/100ft) | (W)               |
| 10                 | 7.9                 | 2.41       | 1350              |
| 30                 | 13.1                | 3.99       | 850               |
| 50                 | 17.8                | 5.43       | 610               |
| 100                | 25.3                | 7.71       | 440               |
| 150                | 31.4                | 9.57       | 360               |
| 450                | 55.4                | 16.89      | 215               |
| 1000               | 87.8                | 26.77      | 145               |
| 2400               | 143.0               | 43.60      | 90                |
| 5500               | 237.0               | 72.26      | 63                |