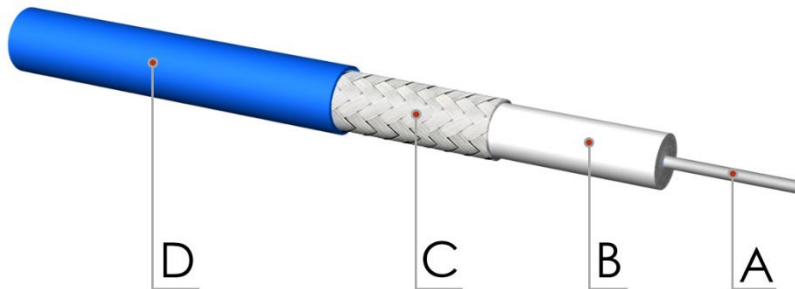


## DATASHEET



### FEATURES:

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

### Construction

| ITEM               | MATERIAL                             | DIAMETER           | REMARK                        |
|--------------------|--------------------------------------|--------------------|-------------------------------|
| A Center Conductor | SPC (Silver Plated Copper)           | 1.60 mm (0.063 in) | Solid Core                    |
| B Dielectric       | PTFE (Poly Tetra Flour Ethylene)     | 2.95 mm (0.116 in) | -                             |
| C Outer Conductor  | SPC (Silver Plated Copper)           | 3.50 mm (0.138 in) | 95% Coverage 112x0.12 (Braid) |
| D Jacket           | FEP (Fluorinated Ethylene Propylene) | 4.25 mm (0.167 in) | Blue                          |

### Electrical & Mechanical Data

|                          |                                  |
|--------------------------|----------------------------------|
| Characteristic Impedance | 25Ω (±2)                         |
| Operating Frequency      | dc - 6 GHz                       |
| Velocity of Propagation  | 70%                              |
| Signal Delay             | 4.7 ns/m                         |
| Capacitance              | 182 pF/m                         |
| Operating Temperature    | -55 / +200 °C (-67 / 392 °F)     |
| Working Voltage          | 1500 V <sub>RMS</sub> (max.)     |
| Weight                   | 52.6 Kg/Km                       |
| Min. Bending Radius      | 10 mm (single), 40 mm (multiple) |



### Attenuation & Power Handling

| Frequency<br>(MHz) | Typical Attenuation |            | Average max Power<br>(W) |
|--------------------|---------------------|------------|--------------------------|
|                    | (dB/100m)           | (dB/100ft) |                          |
| 10                 | 5.2                 | 1.59       | 3400                     |
| 30                 | 8.6                 | 2.62       | 1800                     |
| 50                 | 11.8                | 3.60       | 1360                     |
| 100                | 16.9                | 5.15       | 1000                     |
| 150                | 20.5                | 6.25       | 900                      |
| 500                | 35.6                | 10.86      | 530                      |
| 1000               | 58.0                | 17.69      | 380                      |
| 2000               | 96.0                | 29.28      | 240                      |
| 5000               | 148.0               | 45.14      | 155                      |