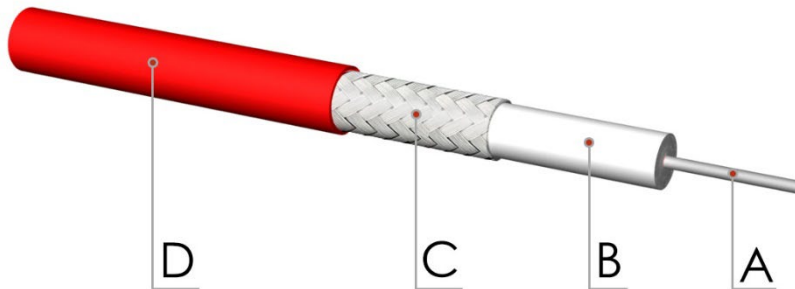


DATASHEET



FEATURES:

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

Construction

| ITEM | MATERIAL | DIAMETER | REMARK |
|--------------------|--------------------------------------|--------------------|-------------------------------|
| A Center Conductor | SPC (Silver Plated Copper) | 1.30 mm (0.051 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) | Red |

Electrical & Mechanical Data

| | |
|--------------------------|---------------------------------|
| Characteristic Impedance | 35Ω (±2) |
| Operating Frequency | dc - 6 GHz |
| Velocity of Propagation | 70% |
| Signal Delay | 4.7 ns/m |
| Capacitance | 134 pF/m |
| Operating Temperature | -55 / +200 °C (-67 / 392 °F) |
| Working Voltage | 1600 V _{RMS} (max.) |
| Weight | 47.5 Kg/Km |
| Min. Bending Radius | 8 mm (single), 40 mm (multiple) |



Attenuation & Power Handling

| Frequency (MHz) | Typical Attenuation | | Average max Power (W) |
|--------------------|---------------------|------------|--------------------------|
| | (dB/100m) | (dB/100ft) | |
| 10 | 4.2 | 1.28 | 3500 |
| 30 | 7.9 | 2.41 | 1900 |
| 50 | 10.2 | 3.11 | 1600 |
| 100 | 14.7 | 4.48 | 1140 |
| 150 | 18.2 | 5.54 | 980 |
| 500 | 35.9 | 10.95 | 550 |
| 1000 | 53.5 | 16.31 | 390 |
| 2000 | 79.0 | 24.10 | 250 |
| 5000 | 130.0 | 39.65 | 160 |