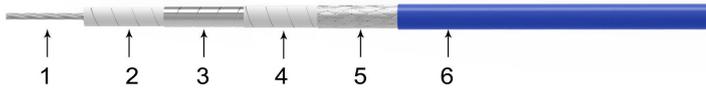


Features & Benefits

- Very good phase stability over flexure 40GHz $<\pm 5^\circ$
- With super-flexible PUR jacket
- Ultra-flexible with stranded inner conductor
- Typical VSWR 1.2 to 40GHz

Cable Construction



| No. | Construction | Size (mm) | Materials |
|-----|------------------|-----------|-------------------------------------|
| 1 | Center Conductor | 0.91 | Stranded silver plated copper |
| 2 | Dielectric | 2.75 | LD PTFE wrapping |
| 3 | Outer Conductor | 2.90 | Silver plated copper strip wrapping |
| 4 | Interlayer | 3.20 | PTFE |
| 5 | Outer Shield | 3.55 | Silver plated copper wire braiding |
| 6 | Jacket | 4.50 | PUR |



Electrical

| | |
|--|----------------|
| Frequency | DC-40 GHz |
| Impedance | 50 Ω |
| Velocity of Propagation | 75% |
| Shielding Effectiveness | >90 dB |
| Withstanding Voltage | 900 V |
| *Mechanical Phase Stability | $<\pm 5^\circ$ |
| Amplitude Stability vs Shaking | $<\pm 0.15$ dB |
| * Wrapped 360° around a 45mm radius mandrel. | |

Mechanical & Environmental

| | |
|------------------------------|-----------|
| Min. Bending Radius Static | 20mm |
| Min. Bending Radius Repeated | 45mm |
| Weight | 37g/m |
| Operation Temp(PUR Jacket) | -50~85 °C |

Attenuation(Typical@25°C&VSWR=1.0) & Power(VSWR=1.0; 40°C; Sea level)

| | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Frequency MHz | 300 | 1000 | 2000 | 3000 | 6000 | 8000 | 10000 | 14000 | 18000 | 26500 | 30000 | 40000 |
| dB/100 Meter | 22.3 | 41.3 | 59.1 | 73.1 | 105.6 | 123.2 | 139.1 | 167.3 | 192.4 | 239.3 | 256.9 | 303.3 |
| Avg. Power kW | 0.780 | 0.421 | 0.294 | 0.238 | 0.165 | 0.141 | 0.125 | 0.104 | 0.090 | 0.073 | 0.068 | 0.057 |
| Attenuation at any frequency= $[1.265700 \times \text{SQRT}(\text{FMHz})] + [0.0012544 \times \text{FMHz}]$ | | | | | | | | | | | | |

Available connectors

| Cable P/N | Connectors | Gender | Orientation | Mounting | Max Freq.(GHz) | VSWR Max |
|-----------|------------|--------|-------------|----------|----------------|----------|
| FU450 | SMA | Male | Straight | Standard | 26.5 | 1.25 |
| FU450 | SMA | Female | Straight | Standard | 26.5 | 1.3 |
| FU450 | 2.92mm | Male | Straight | Standard | 40 | 1.3 |

Other connectors available upon request.