



Construction Specification

| | Material | Diameter | |
|--------------------|--|----------|-------|
| | | mm | inch |
| 1. Inner Conductor | Silver Plated Copper | 1.45 | 0.057 |
| 2. Dielectric | LD PTFE | 4.00 | 0.157 |
| 3.Outer Conductor | Sprial Wrapped Silver Plated Copper Tape | 4.15 | 0.163 |
| 4. Interlayer | PTFE | 4.40 | 0.173 |
| 5. Outer shields | Silver Plated Copper Braid | 4.85 | 0.191 |
| 6. Jacket | GREY FEP | 5.20 | 0.205 |

Electrical Characteristics

| | |
|---------------------------------|-----------|
| Impedance | 50 ohm |
| Velocity of Propagation | 82% |
| Operation Frequency (GHz) | 26.5 GHz |
| Dielectric withstanding voltage | 1500 VRMS |
| Shielding Effectiveness | 90 dB |

Mechanical Characteristics

| | | |
|---------------------------------|----|--------|
| Min.Bending Radius Static (mm) | 26 | 1.0236 |
| Min.Bending Radius Repeated(mm) | 52 | 2.0472 |
| Weight (g/m) | 60 | 2.3622 |

Environmental Characteristics

| | |
|---------------------------------|----------|
| Operating Temperature Range(°C) | -55~+165 |
|---------------------------------|----------|

Attenuation & Average Power @ 20°C and Sea Level

| Frequency(MHz) | Attenuation | | Power(KW CW) |
|----------------|-------------|--------|--------------|
| | dB/1m | dB/1Ft | |
| 300 | 0.125 | 0.04 | 1.608 |
| 1000 | 0.230 | 0.07 | 0.875 |
| 2000 | 0.327 | 0.10 | 0.615 |
| 4000 | 0.466 | 0.14 | 0.431 |
| 6000 | 0.574 | 0.18 | 0.350 |
| 8000 | 0.666 | 0.20 | 0.302 |
| 10000 | 0.748 | 0.23 | 0.268 |
| 12000 | 0.823 | 0.25 | 0.244 |
| 14000 | 0.893 | 0.27 | 0.225 |
| 18000 | 1.019 | 0.31 | 0.197 |
| 20000 | 1.078 | 0.33 | 0.186 |
| 26500 | 1.252 | 0.38 | 0.160 |