

TT500

High Precision Phase Stable Test Cable Assembly DC~26.5GHz



Features

- Low Loss
- Low VSWR
- Phase Stable
- Operating Frequency Range DC~26.5GHz

Applications

- Research & Development Labs
- Bench VNA's and Analyzers
- High Volume Protection Test
- RF Module Testing

Specifications

Electrical

| | |
|-------------------------|------------|
| Operating Frequency | DC~26.5GHz |
| Cutoff Frequency | 29GHz |
| Impedance | 50Ω |
| Velocity of Propagation | 82% |
| Screening Effectiveness | 90dB min |
| Voltage Rating | 2000V, DC |

Environmental & Mechanical

| | |
|-----------------------------|--------------|
| Operating Temperature | -55°C~+165°C |
| Min Bending Radius/Single | 25.5mm |
| Min Bending Radius/Repeated | 51.0mm |
| Weight | 55g/m |

Attenuation@25°C & Power@40°C(sea level)

| Frequency(GHz) | 1 | 2 | 3 | 6 | 8 | 10 | 12.4 | 18 | 26.5 |
|----------------------|------|------|------|------|------|------|-------|-------|-------|
| Attenuation(dB/100m) | 27.1 | 38.9 | 48.1 | 69.6 | 81.3 | 91.9 | 103.5 | 127.4 | 158.8 |
| Power Handling(W) | 821 | 573 | 463 | 320 | 274 | 242 | 215 | 175 | 140 |

Construction

| | | |
|-------------------|----------------------------|--------|
| Inner Conductor | Stranded SPC | 1.44mm |
| Dielectric | Low Density PTFE | 3.85mm |
| Inner Shield | Silver-plated Copper Tape | 4.05mm |
| Interlayer Shield | Low Density PTFE | 4.30mm |
| Outer Shield | Silver-plated Copper Braid | 4.65mm |
| Jacket | Blue FEP | 5.10mm |

Outline



Ordering Information

TT500 - 26.5 - SSF - 1

Cable Code

Operating Frequency(GHz)

RF Connectors(S: SMA)

SS: SMA male to SMA male

SSF: SMA male to SMA female

SFSF: SMA female to SMA female

Overall Length(meter(s))

For other connector options, contact factory.