

TF250

Low Loss Simi-Rigid Cable Assembly DC~18GHz



Features

- Low VSWR
- Frequency ranges from DC to 18GHz
- Easy Installation (hand formable)
- Fits into the small systems

Applications

- Test & measurement instrumentation
- Medical Electronics
- Telecommunications
- Oscillators
- Amplifiers

Specifications

Electrical

| | |
|-------------------------|-----------|
| Operating Frequency | DC~18GHz |
| Cutoff Frequency | 19GHz |
| Impedance | 50Ω |
| Velocity of Propagation | 76% |
| Screening Effectiveness | 165dB min |
| Voltage Rating | 2200V, DC |

Environmental & Mechanical

| | |
|---------------------------|--------------|
| Operating Temperature | -55°C~+250°C |
| Min Bending Radius/Single | 32mm |
| Weight | 136g/m |

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

| Frequency(GHz) | 1 | 2 | 3 | 6 | 8 | 10 | 12.4 | 18 |
|----------------------|------|------|------|-----|------|------|------|------|
| Attenuation(dB/100m) | 18.3 | 26.2 | 32.4 | 47 | 54.9 | 62.1 | 69.9 | 86.1 |
| Power Handling(W) | 1455 | 1014 | 819 | 566 | 484 | 428 | 380 | 308 |

Construction

| | | |
|-----------------|--|--------|
| Inner Conductor | Solid Silver-plated Copper | 1.78mm |
| Dielectric | Low Density PTFE | 5.33mm |
| Outer Conductor | Ternary Alloy Plated Seamless Copper Tube | 6.35mm |

Outline



Ordering Information

TF250 - 18 - NNF - 1

Cable Code

Operating Frequency(GHz)

RF Connectors(N:type-N)

NN: N male to N male

NNF: N male to N female

NNF: N female to N female

Overall Length(meter(s))

For other connector options, contact factory.