

TM1500

Flexible Low Loss Communications Interconnect Coaxial Cable Assembly DC~6GHz

(Equivalent to TCOM-600 of Times Microwave Systems)



Features

- Operating Frequency up to 6GHz
- Low PIM(-155dBc)
- Low Loss
- Resistant to Variety of Harsh Environments
- Superior Shielding Efficiency(better than 90dB)

Applications

- Wireless Base Station Interconnect
- Low Loss UHF/Microwave Interconnect
- Cell's on Wheels
- Outdoor/Indoor Phased Array Radar

Specifications

Electrical

| | |
|-------------------------|-----------|
| Operating Frequency | DC~6GHz |
| Cutoff Frequency | 9GHz |
| Impedance | 50Ω |
| Velocity of Propagation | 86% |
| Screening Effectiveness | 90dB min |
| Voltage Rating | 3000V, DC |

Environmental & Mechanical

| | |
|-----------------------------|-------------|
| Operating Temperature | -45°C~+85°C |
| Min Bending Radius/Single | 75mm |
| Min Bending Radius/Repeated | 150mm |
| Weight | 240g/m |

Attenuation & CW Power Handling VS. Frequency(+25°C)

| Frequency(GHz) | 0.3 | 0.5 | 1 | 2 | 3 | 4 | 5 | 6 |
|----------------------|------|------|-----|------|------|-----|------|------|
| Attenuation(dB/100m) | 4.8 | 6.3 | 9.1 | 13.4 | 16.9 | 20 | 22.8 | 25.4 |
| Power Handling(W) | 1540 | 1175 | 808 | 551 | 437 | 370 | 325 | 291 |

Construction

| | | |
|-------------------|---------------------|---------|
| Inner Conductor | Solid BCCAl | 4.470mm |
| Dielectric | Foam PE | 11.56mm |
| Inner Shield | SPC Strip Braid | 11.81mm |
| Interlayer Shield | Aluminium Tape | 11.94mm |
| Outer Shield | Tinned copper Braid | 12.70mm |
| Jacket | Black PUR | 15.00mm |

Outline



Ordering Information

TM1500 - 6 - NNF - 1

Cable Code

Operating Frequency(GHz)

RF Connectors(N-type: N)

NN: N-Male to N-Male

NNF: N-Male to N-Female

NFN: N-Female to N-Female

Overall Length(meter(s))