

# TM1000

## Flexible Low Loss Communications Interconnect Coaxial Cable Assembly DC~10GHz

(Equivalent to TCOM-400 of Times Microwave Systems)



### Features

- Operating Frequency up to 10GHz
- 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~10GHz
Cutoff Frequency	15GHz
Impedance	50Ω
Velocity of Propagation	83%
Screening Effectiveness	90dB min
Voltage Rating	2000V, DC

#### Environmental & Mechanical

Operating Temperature	-45°C~+85°C
Min Bending Radius/Single	51.5mm
Min Bending Radius/Repeated	103mm
Weight	120g/m

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

Frequency(GHz)	0.3	0.5	1	2	3	4	5	6	10
Attenuation(dB/100m)	7.7	10	14.4	20.9	26	30.5	34.6	38.3	51.4
Power Handling(W)	985	756	525	362	290	248	219	197	147

#### Construction

Inner Conductor	Solid BCCAl	2.74mm
Dielectric	Foam PE	7.24mm
Inner Shield	SPC Strip Braid	7.49mm
Interlayer Shield	Aluminium Tape	7.76mm
Outer Shield	Tinned copper Braid	8.38mm
Jacket	Black PUR	10.29mm

#### Outline



#### Ordering Information

TM1000 - 10 - 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))