

# TM600

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

(Equivalent to TCOM-240 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	30GHz
Impedance	50Ω
Velocity of Propagation	83%
Screening Effectiveness	90dB min
Voltage Rating	1000V, DC

#### Environmental & Mechanical

Operating Temperature	-45°C~+85°C
Min Bending Radius/Single	31mm
Min Bending Radius/Repeated	61mm
Weight	70g/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)	13.3	17.4	24.9	35.8	44.4	51.9	58.6	64.8	86
Power Handling(W)	610	469	328	227	183	157	139	126	95

#### Construction

Inner Conductor	Solid BCCAl	1.42mm
Dielectric	Foam PE	3.81mm
Inner Shield	SPC Strip Braid	4.06mm
Interlayer Shield	Aluminium Tape	4.22mm
Outer Shield	Tinned copper Braid	4.78mm
Jacket	Black PUR	6.10mm

#### Outline



#### Ordering Information

**TM600 - 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

NNNF: N-Female to N-Female

Overall Length(meter(s))