

# TM700

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

(Equivalent to TCOM-300 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	23GHz
Impedance	50Ω
Velocity of Propagation	83%
Screening Effectiveness	90dB min
Voltage Rating	1500V, DC

#### Environmental & Mechanical

Operating Temperature	-45°C~+85°C
Min Bending Radius/Single	38mm
Min Bending Radius/Repeated	76mm
Weight	80g/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)	11.4	14.8	21.2	30.7	38.1	44.6	50.4	55.8	74.5
Power Handling(W)	900	691	482	334	268	229	203	183	137

#### Construction

Inner Conductor	Solid BCCAl	1.78mm
Dielectric	Foam PE	4.83mm
Inner Shield	SPC Strip Braid	5.08mm
Interlayer Shield	Aluminium Tape	5.24mm
Outer Shield	Tinned copper Braid	5.94mm
Jacket	Black PUR	7.62mm

#### Outline



#### Ordering Information

<b>TM700 - 10 - NNF - 1</b>
Cable Code
Operating Frequency(GHz)
RF Connectors(N-type: N) <i>NN: N-Male to N-Male</i> <i>NNF: N-Male to N-Female</i> <i>NFN: N-Female to N-Female</i>
Overall Length(meter(s))