

TM500

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

(Equivalent to TCOM-200 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	38GHz
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	25mm
Min Bending Radius/Repeated	50mm
Weight	60g/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)	18.6	24.1	34.5	49.4	61.1	71.1	80.1	88.3	116.6
Power Handling(W)	350	270	189	132	107	91	81	74	56

Construction

Inner Conductor	Solid BCCAl	1.12mm
Dielectric	Foam PE	2.95mm
Inner Shield	SPC Strip Braid	3.20mm
Interlayer Shield	Aluminium Tape	3.36mm
Outer Shield	Tinned copper Braid	3.91mm
Jacket	Black PUR	5.00mm

Outline



Ordering Information

TM500	-	10	-	NNF	-	1
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))						