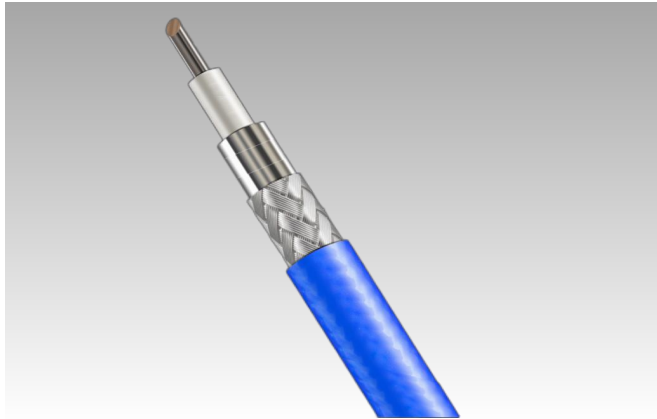


# TA1000

Low Loss Phase Stable Cable Assembly  
DC~10GHz

**TITAN MICROWAVE INC.**



## Features

- Low Loss
- High Phase Stability
- Excellent Performance
- Well Durability
- Suitable for All Kinds of Harsh Environment

## Applications

- Laboratory
- Wireless Communications
- Phased Array Radar
- Avionics

## Specifications

### Electrical

- Operating Frequency DC~10GHz
- Cutoff Frequency 13.5GHz
- Impedance 50Ω
- Velocity of Propagation 83%
- Screening Effectiveness 90dB min
- PIM -155dBc
- Voltage Rating 3000V, DC
- Phase Stability <750ppm@-55°C~+85°C

### Environmental & Mechanical

- Operating Temperature -55°C~+165°C
- Min Bending Radius/Single 50.00 mm
- Min Bending Radius/Repeated 100.00 mm
- Weight 206g/m

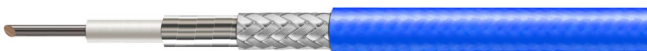
### Attenuation@25°C & Power@40°C (sea level)

Frequency(GHz)	1	2	3	4	5	6	8	10
Attenuation(dB/100m)	10.4	15	18.7	21.8	24.6	27.2	31.9	36.1
Power Handling(W)	2289	1590	1281	1097	972	880	750	662

### Construction

Inner Conductor	Solid Silver-plated Copper	3.00 mm
Dielectric	Low Density PTFE	8.24 mm
Inner Shield	Silver-plated Copper Tape	8.48 mm
Outer Shield	Silver-plated Copper Braid	9.20 mm
Jacket	FEP	10.00 mm

### Outline



## Ordering Information

TA1000 - 10 - NFNF - 1

Cable Code

Operating Frequency(GHz)

RF Connectors(N:type-N)

NN: N male to N male

NNF: N male to N female

NFNF: N female to N female

Overall Length(meter(s))