

# TA1200

Low Loss Phase Stable Cable Assembly  
DC~8GHz

**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~8GHz
- Cutoff Frequency 11GHz
- 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 60.00 mm
- Min Bending Radius/Repeated 120.00 mm
- Weight 282g/m

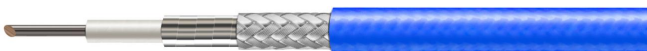
### Attenuation@25°C & Power@40°C (sea level)

Frequency(GHz)	1	2	3	4	5	6	7	8
Attenuation(dB/100m)	10	14.4	18	21	23.8	26.3	28.7	31
Power Handling(W)	2320	1605	1289	1101	973	879	806	747

### Construction

Inner Conductor	Solid Silver-plated Copper	3.80 mm
Dielectric	Low Density PTFE	10.30 mm
Inner Shield	Silver-plated Copper Tape	10.90 mm
Outer Shield	Silver-plated Copper Braid	11.35 mm
Jacket	FEP	12.00 mm

### Outline



## Ordering Information

TA1200 - 8 - 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))