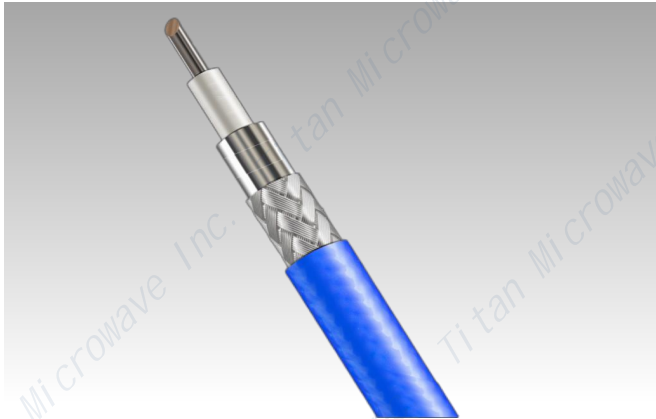


TA1000

Low Loss Phase Stable Cable Assembly DC~10GHz



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)	3512	1996	1350	1151	1016	900	778	727

Construction

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

Outline



Ordering Information

TA1000	-	10	-	NFNF	-	1
Cable						
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))						