

# TT800A

## Armored High Precision Phase Stable Test Cable Assembly DC~18GHz

**TITAN MICROWAVE INC.**



### Features

- Low Loss
- Low VSWR
- Phase Stable
- Armored
- Operating Frequency Range DC~18GHz

### Applications

- Research & Development Labs
- Bench VNA's and Analyzers
- High Volume Protection Test
- RF Module Testing

## Specifications

### Electrical

- Operating Frequency DC~18GHz
- Cutoff Frequency 18GHz
- Impedance 50Ω
- Velocity of Propagation 82%
- Screening Effectiveness 90dB min
- Voltage Rating 2000V, DC
- Phase Stability typ. ±3°
- Amplitude Stability typ. ±0.05dB
- VSWR ≤1.2@18GHz
- Flex Life 200,000

### Environmental & Mechanical

- Operating Temperature -55°C ~ +125°C
- Min Bending Radius/Single 52.0 mm
- Min Bending Radius/Repeated 104.0 mm
- Weight 220g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	18
Attenuation(dB/100m)	16.7	23.8	29.3	42.1	48.9	55	61.7	75.3
Power Handling(W)	1604	1125	913	637	548	487	435	356

### Construction

Inner Conductor	Solid Silver-plated Copper	2.39 mm
Dielectric	Low Density PTFE	6.16 mm
Inner Shield	Silver-plated Copper Tape	6.40 mm
Interlayer Shield	Low Density PTFE	6.70 mm
Outer Shield	Silver-plated Copper Braid	7.25 mm
Inner Jacket	Blue FEP	7.80 mm
Crush Protection Layer	Silver-plated Copper Braid	9.45 mm
Braided Outer Jacket	PTFE	10.4 mm

### Outline



## Ordering Information

TT800A	-	18	-	NNF	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(N: N-type)						
N: N male to N male						
NNF: N male to N female						
NFNF: N female to N female						
Overall Length(meter(s))						

For other connector options, contact factory.