

# TT800A

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



### 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.	±0.1dB
VSWR	≤ 1.2@18GHz
Flex Life	200,000 cycles

#### 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)	1602	1124	912	636	547	486	434	356

#### Construction

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

#### 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.*