

# TT800

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



### Features

- Low Loss
- Low VSWR
- Phase Stable
- 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	2500V, DC

#### Environmental & Mechanical

Operating Temperature	-55°C~+165°C
Min Bending Radius/Single	39.0 mm
Min Bending Radius/Repeated	78.0 mm
Weight	123g/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	2.39mm
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
Jacket	Blue FEP	7.80mm

### Outline



### Ordering Information

TT800 - 18 - SSF - 1

Cable Code

Operating Frequency(GHz)

RF Connectors(S: SMA)

SS: SMA male to SMA male

SSF: SMA male to SMA female

SFSF: SMA female to SMA female

Overall Length(meter(s))

For other connector options, contact factory.