

# **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.  $\pm 3^{\circ}$ Amplitude Stability typ. ±0.05dB **VSWR** ≤1.2@18GHz Flex Life 200,000

## **Environmental & Mechanical**

**Operating Temperature** -55℃~+125℃ 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)

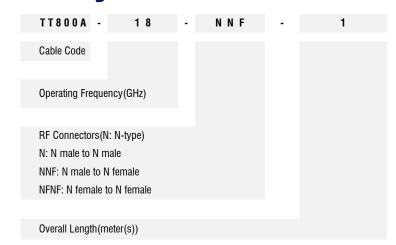
Frequency(GHz)	1	2	3	6	8	10	12.4	18
Attenuation(dB/100m)	16.7	23.8	29.3	42.1	48.9	55	61.7	75.3
Power Handling(W)	1604	1125	913	637	548	487	435	356

#### Inner Conductor Solid Silver-plated Copper 2.39 mm Dielectric Low Density PTFE 6.16 mm Silver-plated Copper Tape 6.40 mm Inner Shield Interlayer Shield Low Density PTFE

6.70 mm Outer Shield Silver-plated Copper Braid 7.25 mm Inner Jacket Blue FEP 7.80 mm Silver-plated Copper Braid Crush Protection Layer 9.45 mm 10.4 mm

Braided Outer Jacket

# **Ordering Information**



For other connector options, contact factory.

### **Outline**

Construction

