Armored High Precision Phase Stable Test Cable Assembly DC~50GHz

TITAN MICROWAVE INC.



Features

- Low Loss
- Low VSWR
- Phase Stable
- Armored
- Operating Frequency Range DC~50GHz

Applications

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

Specifications

Electrical

Operating Frequency DC~50GHz **Cutoff Frequency** 50GHz **Impedance** 50Ω **Velocity of Propagation** 76% **Screening Effectiveness** 90dB min **Voltage Rating** 500V, DC Phase Stability typ. ±7° Amplitude Stability typ. $\pm 0.05 dB$ **VSWR** ≤1.25@50GHz Flex Life 100,000

Environmental & Mechanical

Operating Temperature -55 °C ~+ 125 °C
Min Bending Radius/Single 30.0 mm
Min Bending Radius/Repeated 60.0 mm
Weight 95g/m

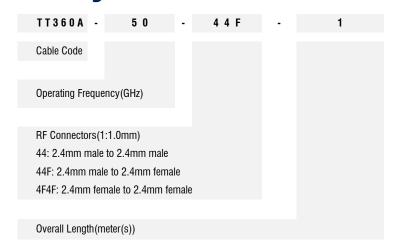
Attenuation@25℃ & Power@40℃ (sea level)

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5	40	50
Attenuation(dB/100m)	48.1	68.3	83.9	119.4	138.4	155.2	173.4	210.2	257.1	319.2	359.2
Power Handling(W)	506	356	290	204	176	157	140	116	95	76	68

Construction

Inner Conductor	Solid Silver-plated Copper	0.72 mm
Dielectric	Low Density PTFE	2.10 mm
Inner Shield	Silver-plated Copper Tape	2.25 mm
Interlayer Shield	Low Density PTFE	2.55 mm
Outer Shield	Silver-plated Copper Braid	3.01 mm
Inner Jacket	Blue FEP	3.60 mm
Crush Protection Layer	Silver-plated Copper Braid	5.10 mm
Braided Outer Jacket	PTFE	6.10 mm

Ordering Information



For other connector options, contact factory.

Outline

