

TT360A

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. ±0.05dB
- 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°C & Power@40°C (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

Outline



Ordering Information

TT360A	-	50	-	44F	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(1:1.0mm)						
44: 2.4mm male to 2.4mm male						
44F: 2.4mm male to 2.4mm female						
4F4F: 2.4mm female to 2.4mm female						
Overall Length(meter(s))						

For other connector options, contact factory.