

TT400A

Armored High Precision Phase Stable Test Cable Assembly DC~40GHz

TITAN MICROWAVE INC.



Features

- Low Loss
- Low VSWR
- Phase Stable
- Armored
- Operating Frequency Range DC~40GHz

Applications

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

Specifications

Electrical

- Operating Frequency DC~40GHz
- Cutoff Frequency 41GHz
- Impedance 50Ω
- Velocity of Propagation 81%
- Screening Effectiveness 90dB min
- Voltage Rating 500V, DC
- Phase Stability typ. ±7°
- Amplitude Stability typ. ±0.05dB
- VSWR ≤1.25@40GHz
- Flex Life 100,000

Environmental & Mechanical

- Operating Temperature -55°C ~ +125°C
- Min Bending Radius/Single 33.5 mm
- Min Bending Radius/Repeated 67.0 mm
- Weight 110g/m

Attenuation@25°C & Power@40°C (sea level)

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5	40
Attenuation(dB/100m)	40.5	57.6	70.8	100.8	116.9	131.2	146.6	178	218	271.2
Power Handling(W)	567	399	325	228	197	175	157	129	105	85

Construction

Inner Conductor	Stranded SPC	1.00 mm
Dielectric	Low Density PTFE	2.80 mm
Inner Shield	Silver-plated Copper Tape	2.95 mm
Interlayer Shield	Low Density PTFE	3.20 mm
Outer Shield	Silver-plated Copper Braid	3.62 mm
Inner Jacket	Blue FEP	4.20 mm
Crush Protection Layer	Silver-plated Copper Braid	5.75 mm
Braided Outer Jacket	PTFE	6.70 mm

Outline



Ordering Information

TT400A	-	40	-	KKF	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(K: 2.92mm)						
KK: 2.92mm male to 2.92mm male						
KKF: 2.92mm male to 2.92mm female						
KKF: 2.92mm female to 2.92mm female						
Overall Length(meter(s))						

For other connector options, contact factory.