

TT500A

Armored High Precision Phase Stable Test Cable Assembly DC~26.5GHz

TITAN MICROWAVE INC.



Features

- Low Loss
- Low VSWR
- Phase Stable
- Armored
- Operating Frequency Range DC~26.5GHz

Applications

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

Specifications

Electrical

- Operating Frequency DC~26.5GHz
- Cutoff Frequency 29GHz
- Impedance 50Ω
- Velocity of Propagation 82%
- Screening Effectiveness 90dB min
- Voltage Rating 2000V, DC
- Phase Stability typ. ±5°
- Amplitude Stability typ. ±0.05dB
- VSWR ≤1.25@26.5GHz
- Flex Life 600,000

Environmental & Mechanical

- Operating Temperature -55°C ~ +125°C
- Min Bending Radius/Single 38mm
- Min Bending Radius/Repeated 76mm
- Weight 135g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5
Attenuation(dB/100m)	27.1	38.9	48.1	69.6	81.3	91.9	103.5	127.4	158.8
Power Handling(W)	821	573	463	320	274	242	215	175	140

Construction

Inner Conductor	Stranded SPC	1.44 mm
Dielectric	Low Density PTFE	3.85 mm
Inner Shield	Silver-plated Copper Tape	4.05 mm
Interlayer Shield	Low Density PTFE	4.30 mm
Outer Shield	Silver-plated Copper Braid	4.65 mm
Inner Jacket	Blue FEP	5.10 mm
Crush Protection Layer	Silver-plated Copper Braid	6.70 mm
Braided Outer Jacket	PTFE	7.60 mm

Outline



Ordering Information

TT500A	-	26.5	-	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.