

TT500A

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



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

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.