

TT220A

Armored High Precision Phase Stable Test Cable Assembly DC~67GHz

TITAN MICROWAVE INC.



Features

- Low Loss
- Low VSWR
- Phase Stable
- Armored
- Operating Frequency Range DC~67GHz

Applications

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

Specifications

Electrical

- Operating Frequency DC~67GHz
- Cutoff Frequency 82GHz
- Impedance 50Ω
- Velocity of Propagation 81%
- Screening Effectiveness 90dB min
- Voltage Rating 500V, DC
- Phase Stability typ. ±7°
- Amplitude Stability typ. ±0.05dB
- VSWR ≤1.3@67GHz
- Flex Life 100000

Environmental & Mechanical

- Operating Temperature -55°C ~ +165°C
- Min Bending Radius/Single 24 mm
- Min Bending Radius/Repeated 48 mm
- Weight 52g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5	40	67
Attenuation(dB/100m)	63.7	90.8	111.9	160.4	186.5	209.8	235.2	287.1	354	444	593.2
Power Handling(W)	97	68	55	39	33	29	26	22	17	14	10

Construction

Inner Conductor	Solid Silver-plated Copper	0.50 mm
Dielectric	Low Density PTFE	1.38 mm
Inner Shield	Silver-plated Copper Tape	1.54 mm
Interlayer Shield	Low Density PTFE	1.82 mm
Outer Shield	Silver-plated Copper Braid	2.17 mm
Inner Jacket	FEP	2.45 mm
Crush Protection Layer	Silver-plated Copper Braid	3.60 mm
Braided Outer Jacket	PTFE	4.80 mm

Outline



Ordering Information

TT220A	-	67	-	VVF	-	1
Cable Code						
Operating Frequency(GHz)						
RF Connectors(V: 1.85mm)						
VV: 1.85mm male to 1.85mm male						
VVF: 1.85mm male to 1.85mm female						
VVVF: 1.85mm female to 1.85mm female						
Overall Length(meter(s))						

For other connector options, contact factory.