

# TT220A

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



### 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 cycles

#### 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)	110	77	63	44	38	33	30	24	20	16	12

#### Construction

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

#### 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						
VFVF: 1.85mm female to 1.85mm female						
Overall Length(meter(s))						

For other connector options, contact factory.