

TT400A

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



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 cycles

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)	743	523	426	299	258	230	205	169	138	111

Construction

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

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						
KFKF: 2.92mm female to 2.92mm female						
Overall Length(meter(s))						

For other connector options, contact factory.