

# TT150

## High Precision Phase Stable Test Cable Assembly DC~110GHz



### Features

- Low Loss
- Low VSWR
- Phase Stable
- Operating Frequency Range DC~110GHz

### Applications

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

### Specifications

#### Electrical

Operating Frequency	DC~110GHz
Cutoff Frequency	128GHz
Impedance	50Ω
Velocity of Propagation	75%
Screening Effectiveness	90dB min
Voltage Rating	600V, DC

#### Environmental & Mechanical

Operating Temperature	-55°C~+125°C
Min Bending Radius/Single	9.5 mm
Min Bending Radius/Repeated	19.00 mm
Weight	8g/m

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

Frequency(GHz)	1	2	3	6	8	18	26.5	40	67	75	110
Attenuation(dB/100m)	113.7	161.6	198.5	282.9	328	499.3	611.5	760.4	1002.7	1065.9	1314.3
Power Handling(W)	39	27	22	16	14	9	7	6	4	4	3

#### Construction

Inner Conductor	Solid Silver-plated Copper	0.30mm
Dielectric	Low Density PTFE	0.88mm
Inner Shield	Silver-plated Copper Tape	1.00mm
Interlayer Shield	Low Density PTFE	1.25mm
Outer Shield	Silver-plated Copper Braid	1.50mm
Jacket	Gray FEP	1.85mm

#### Outline



### Ordering Information

TT150 - 110 - 11F - 1

Cable

Operating Frequency(GHz)

RF Connectors(1:1.0mm)

11: 1.0mm male to 1.0mm male

11F: 1.0mm male to 1.0mm female

1F1F: 1.0mm female to 1.0mm female

Overall Length(meter(s))

*For other connector options, contact factory.*