

# TT360

## High Precision Phase Stable Test Cable Assembly DC~50GHz

**TITAN MICROWAVE INC.**



### Features

- Low Loss
- Low VSWR
- Phase Stable
- Operating Frequency Range DC~50GHz

### Applications

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

## Specifications

### Electrical

- Operating Frequency DC~50GHz
- Cutoff Frequency 50GHz
- Impedance 50Ω
- Velocity of Propagation 76%
- Screening Effectiveness 90dB min
- Voltage Rating 500V, DC

### Environmental & Mechanical

- Operating Temperature -55°C ~ +165°C
- Min Bending Radius/Single 18.0 mm
- Min Bending Radius/Repeated 36.0 mm
- Weight 31g/m

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

| Frequency(GHz)       | 1    | 2    | 3    | 6     | 8     | 10    | 12.4  | 18    | 26.5  | 40    | 50    |
|----------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| Attenuation(dB/100m) | 48.1 | 68.3 | 83.9 | 119.4 | 138.4 | 155.2 | 173.4 | 210.2 | 257.1 | 319.2 | 359.2 |
| Power Handling(W)    | 506  | 356  | 290  | 204   | 176   | 157   | 140   | 116   | 95    | 76    | 68    |

### Construction

|  |                            |         |
|--|----------------------------|---------|
|  Inner Conductor   | Solid Silver-plated Copper | 0.72 mm |
|  Dielectric        | Low Density PTFE           | 2.10 mm |
|  Inner Shield      | Silver-plated Copper Tape  | 2.25 mm |
|  Interlayer Shield | Low Density PTFE           | 2.55 mm |
|  Outer Shield      | Silver-plated Copper Braid | 3.01 mm |
|  Jacket            | Blue FEP                   | 3.60 mm |

### Outline



## Ordering Information

|                                    |   |    |   |     |   |   |
|------------------------------------|---|----|---|-----|---|---|
| TT360                              | - | 50 | - | 44F | - | 1 |
| Cable Code                         |   |    |   |     |   |   |
| Operating Frequency(GHz)           |   |    |   |     |   |   |
| RF Connectors(4: 2.4mm)            |   |    |   |     |   |   |
| 44: 2.4mm male to 2.4mm male       |   |    |   |     |   |   |
| 44F: 2.4mm male to 2.4mm female    |   |    |   |     |   |   |
| 4F4F: 2.4mm female to 2.4mm female |   |    |   |     |   |   |
| Overall Length(meter(s))           |   |    |   |     |   |   |

For other connector options, contact factory.