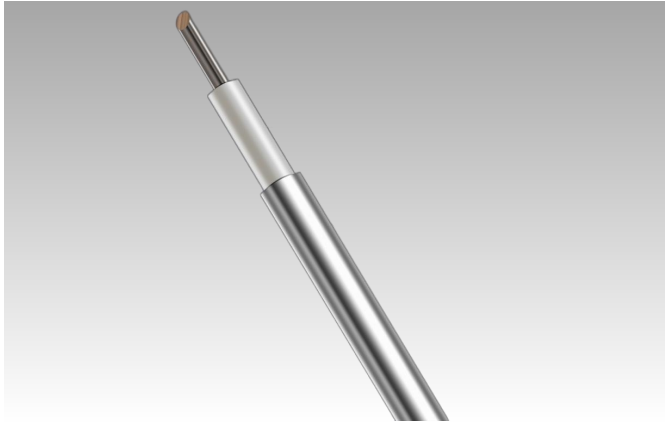


# TE086

## Economical Simi-Rigid Cable Assembly DC~40GHz

**TITAN MICROWAVE INC.**



### Features

- Low VSWR
- Frequency ranges from DC to 40GHz
- Easy Installation (hand formable)
- Fits into the small systems

### Applications

- Test & measurement instrumentation
- Medical Electronics
- Telecommunications
- Oscillators
- Amplifiers

## Specifications

### Electrical

- **Operating Frequency** DC~40GHz
- **Cutoff Frequency** 59GHz
- **Impedance** 50Ω
- **Velocity of Propagation** 70%
- **Screening Effectiveness** 165dB min
- **Voltage Rating** 500V, DC
- **Capacitance** 100pF/m
- **Time Delay** 4.7ns/m

### Environmental & Mechanical

- **Operating Temperature** -55°C~+125°C
- **Min Bending Radius/Single** 7.0 mm
- **Weight** 21g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5	40
<b>Attenuation(dB/100m)</b>	64.9	93.1	115.2	166.6	194.7	219.9	247.6	304.9	379.9	482.7
<b>Power Handling(W)</b>	256	179	144	100	85	76	67	55	44	34

### Construction

 <b>Inner Conductor</b> Solid Silver-plated Copper	0.53mm
 <b>Dielectric</b> Low Density PTFE	1.68mm
 <b>Outer Conductor</b> Ternary Alloy Plated Seamless Copper Tube	2.18mm

### Outline



## Ordering Information

<b>TE086</b>	-	<b>40</b>	-	<b>KKF</b>	-	<b>1</b>
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.