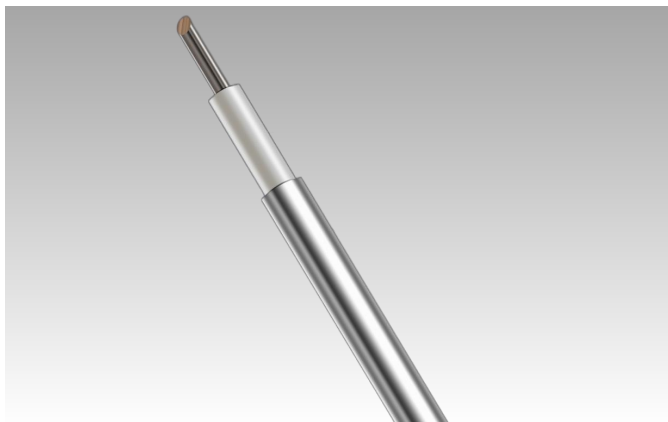


# TE141

## Economical Simi-Rigid Cable Assembly DC~26.5GHz

**TITAN MICROWAVE INC.**



### Features

- Low VSWR
- Frequency ranges from DC to 26.5GHz
- Easy Installation (hand formable)
- Fits into the small systems

### Applications

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

## Specifications

### Electrical

- **Operating Frequency** DC~26.5GHz
- **Cutoff Frequency** 34GHz
- **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** 15.0 mm
- **Weight** 47g/m

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

Frequency(GHz)	1	2	3	6	8	10	12.4	18	26.5
<b>Attenuation(dB/100m)</b>	38.2	55.5	69.3	102.4	120.8	137.7	165.4	195.9	249.2
<b>Power Handling(W)</b>	335	231	185	125	106	93	82	65	51

### Construction

 <b>Inner Conductor</b> Solid Silver-plated Copper	0.94mm
 <b>Dielectric</b> Low Density PTFE	2.98mm
 <b>Outer Conductor</b> Ternary Alloy Plated Seamless Copper Tube	3.58mm

### Outline



## Ordering Information

<b>TE141</b>	-	<b>26.5</b>	-	<b>SSF</b>	-	<b>1</b>
Cable Code						
Operating Frequency(GHz)						
RF Connectors(S:SMA)						
SS: SMA male to SMA male						
SSF: SMA male to SMA female						
SFSF: SMA female to SMA female						
Overall Length(meter(s))						

*For other connector options, contact factory.*