

# TE141

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



### 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	10.0 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
Attenuation(dB/100m)	38.2	55.5	69.3	102.4	120.8	137.7	165.4	195.9	249.2
Power Handling(W)	1121	772	618	419	355	311	274	219	172

### Construction

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

### Outline



### Ordering Information

TE141 - 26.5 - SSF - 1

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.