

# TE086

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



### 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
Attenuation(dB/100m)	64.9	93.1	115.2	166.6	194.7	219.9	247.6	304.9	379.9	482.7
Power Handling(W)	256	179	144	100	85	76	67	55	44	34

### Construction

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

### Outline



### Ordering Information

**TE086 - 40 - K K F - 1**

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.*