

# TF086

## Low Loss 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	64GHz
Impedance	50Ω
Velocity of Propagation	76%
Screening Effectiveness	165dB min
Voltage Rating	500V, DC

#### Environmental & Mechanical

Operating Temperature	-55°C~+250°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)	58.3	82.8	101.7	144.9	168	188.4	210.6	255.5	312.8	388.7
Power Handling(W)	259	182	148	104	90	80	72	59	48	39

#### Construction

Inner Conductor	Solid Silver-plated Copper	0.56mm
Dielectric	Low Density PTFE	1.68mm
Outer Conductor	Ternary Alloy Plated Seamless Copper Tube	2.18mm

#### Outline



#### Ordering Information

**TF086 - 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

KKFF: 2.92mm female to 2.92mm female

Overall Length(meter(s))

*For other connector options, contact factory.*