

TE047

Economical Semi-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** 110GHz
- **Impedance** 50Ω
- **Velocity of Propagation** 70%
- **Screening Effectiveness** 165dB min
- **Voltage Rating** 100V, DC
- **Capacitance** 100pF/m
- **Time Delay** 4.7ns/m

Environmental & Mechanical

- **Operating Temperature** -55°C ~ +125°C
- **Min Bending Radius/Single** 4.2 mm
- **Weight** 4g/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)	113.6	162.4	200.5	288.6	336.4	379.2	425.9	522	646.9	816.3
Power Handling(W)	147	103	83	58	50	44	39	32	26	20

Construction

 Inner Conductor Solid Silver-plated Copper	0.29mm
 Dielectric Low Density PTFE	0.95mm
 Outer Conductor Ternary Alloy Plated Seamless Copper Tube	1.22mm

Outline



Ordering Information

TE047 - 40 - KKF - 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.