

PhaseTrack® 047

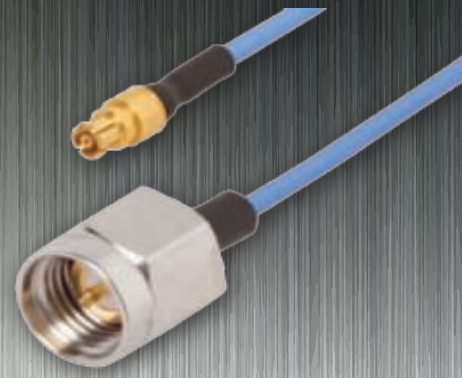
MICRO COAXIAL CABLE

PT-047 is a compact, phase stable, highly flexible, micro coaxial cable. Originally designed for space flight applications, this high-performance cable easily accommodates densely packed in-the-box applications.

Environmental and Mechanical Properties

Diameter	0.060" max
Minimum Bend Radius	0.25" nominal (centerline)
Operating Temperature	-65°C to +150°C
Impedance	50 ohm nominal
Capacitance	24.6 pf/ft nominal
Velocity of Propagation	81% nominal
Delay	1.25 nsec/ft nominal
Shielding	90 dB minimum
Insertion Loss	1.72 dB/ft @ 18 GHz

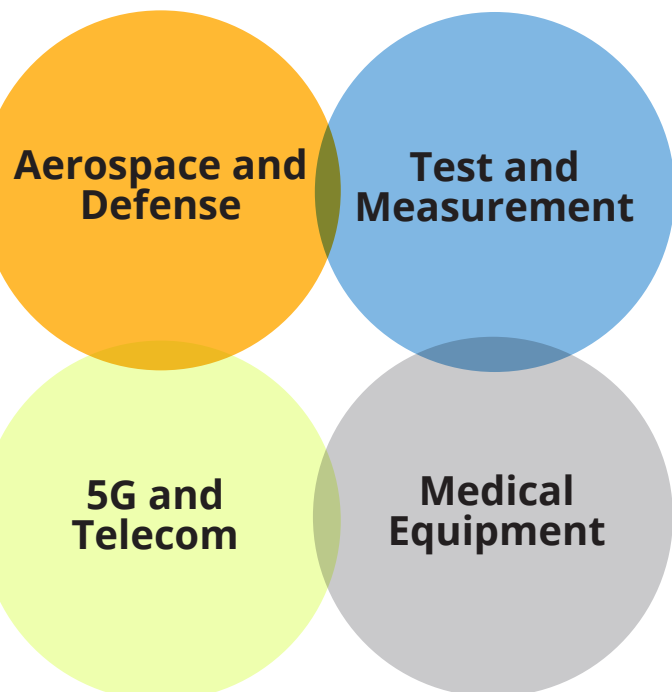
Frequency (Typical)	Attenuation dB/ft (+25°C)	Attenuation dB/m (+25°C)
18 GHz	1.72	5.64
28.5 GHz	2.22	7.28
31 GHz	2.32	7.61
40 GHz	2.68	8.79



FEATURES

- High performance in a compact size
- Phase stable over temperature utilizing TF4® technology
- Highly flexible and small bend radius
- Broad frequency range up to 70 GHz
- Flexible alternative to 047 Semi-Rigid
- Perfect for multi-pin connectors

APPLICATIONS

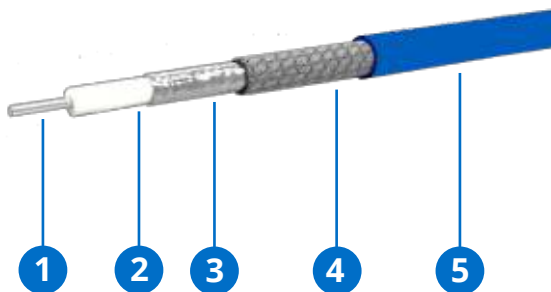


PT-047 Assemblies



Connectors

- SMA
- SMP
- 2.92 mm
- 2.4 mm
- TLMP
- Semi-rigid



- | | | |
|----------|-------------------------|---------------------------------|
| 1 | Center Conductor | Silver Plated CopperClad Steel |
| 2 | Dielectric | TF4® Dielectric |
| 3 | Shield | Silver Plated Copper Flat Braid |
| 4 | Outer Braid | Silver Plated Copper |
| 5 | Jacket | Blue FEP |



Sold as fully tested
assemblies



Used in current Space
Flight applications.
Suited for conditions
where "failure is not
an option".

WORLD HEADQUARTERS

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