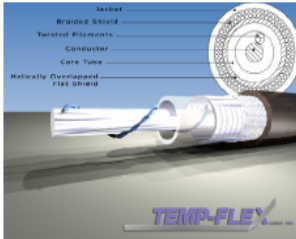


047Microwave Coaxial Cable

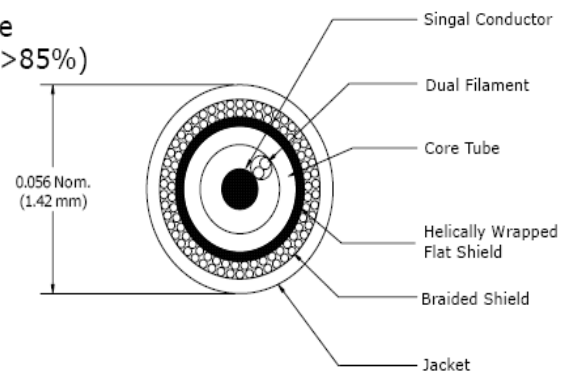
High Performance Coaxial Cable

PRODUCT DESCRIPTION

Flexible and fine .047 coaxial cable enables high density flexible contact with the proven monofilament technology to enhance performance at high frequencies (>12 GHz).



- Consistent 50 OHM Impedance
- High Velocity of Propagation (>85%)
- High RF Bandwidth
- Low Dielectric Constant
- Low Capacitance
- Robust Design
- UL Style 10186



SPECIFICATIONS

047Microwave Coaxial 047 -2801, 28AWG		
Parameters	Units	
Conductor Details		
Signal Conductor	Inch (mm)	0.0126 (0.32)
Signal Material		Silver Plated Copper
Monofilament		PFA, Blue
Core Tube OD	Inch (mm)	0.032
Core Tube Material		FEP, Clear
Braid Shield		42 AWG SPC, > 90% Coverage
Jacket OD	Inch (mm)	0.05 Nom
Jacket Material		FEP, Black Tint
Electrical Specification (Coaxial)		
Characteristics Impedance	Ω	50 ± 1
Capacitance	pF/ft (pF/m)	23 (75.5)
Inductance	μ H/ft (μ H/m)	0.058 (0.19)
Shield Effectiveness	dB	>100
Cut Off Frequency	GHz	144
Velocity of Propagation	%	88
Attenuation @ 1.0 GHz	dB/ft	0.33
Attenuation @ 5.0 GHz	dB/ft	0.82
Attenuation @ 10.0 GHz	dB/ft	1.08
Attenuation @ 15.0 GHz	dB/ft	1.57
Attenuation @ 20.0 GHz	dB/ft	1.74
Mechanical Specification		
Minimal Bend Radius	Inch (mm)	0.25 (6.35)
Operating Temperature	$^{\circ}$ C	-65 to +200



Temp-Flex designs and manufactures specialty insulated wire & cable for the medical, industrial, military & aerospace markets. We can custom design and manufacture your medical wire, coil, twisted pair, high speed coaxial cable, flexible microwave cable, flat ribbon cable, IDC cable, multi-flex cable, matched impedance cable, low inductance power transmission cable and a variety of other wire and cable constructions.