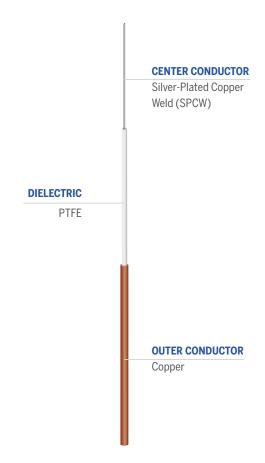
UT-047-70

Semi-Rigid Coaxial Cables



Micro-Coax's specialized impedance semi-rigid cables—with impedances from 5 to 100Ω and diameters from 0.020 to 0.250 inches—are an ideal solution for any impedance matching requirement.

Details and Materials











Dimensions

Outer Conductor Diameter	in	0.047
	mm	1.194
Center Conductor Diameter	in	0.0071
	mm	0.1803
Length (Maximum)	ft	20
	m	6.10

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	175
Inside Bend Radius (Minimum)	in	0.050
	mm	1.270
Weight	lbs/100ft	0.37
	kg / 100m	0.56

Electrical Characteristics*

Capacitance	pF/ft	20.7
	pF/m	68.0
Corona Extinction Voltage	VRMS @60 Hz	1200
Voltage Withstanding	VRMS @60 Hz	3600
Higher Order Mode Frequency	GHz	117.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	78.1
1.0	55
5.0	24
10.0	16.7
18.0	12.2
26.5	9.9
40.0	7.9
50.0	7
65.0	6
90.0	5

Attenuation (Typical)

GHz	dB/100 ft
0.5	24.6
1.0	35
5.0	80.5
10.0	116.2
18.0	159.8
26.5	197.7
40.0	249.1
50.0	282.9
65.0	329.2
90.0	398.6

^{*} Applicable at room temperature. Contact for performance over temperature range.