

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.

 Impedance 70 Ohms	 Operating Temperature -55°C to +150°C	 RoHS Compliant
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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.

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