

UT-047C-35

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 35 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	0.0159
	mm	0.4039
Length (Maximum)	ft	20
	m	6.10

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	175
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs/100ft	0.43
	kg / 100m	0.65

Electrical Characteristics*

Capacitance	pF/ft	41.5
	pF/m	136.0
Corona Extinction Voltage	VRMS @60 Hz	800
Voltage Withstanding	VRMS @60 Hz	2400
Higher Order Mode Frequency	GHz	100.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	74.1
1.0	52.1
5.0	22.8
10.0	15.9
18.0	11.6
26.5	9.4
40.0	7.5
50.0	6.7
65.0	5.8
90.0	4.8

Attenuation (Typical)

GHz	dB/100 ft
0.5	26.2
1.0	37.3
5.0	85.7
10.0	123.6
18.0	169.7
26.5	209.8
40.0	263.9
50.0	299.4
65.0	348.1
90.0	420.8

* Applicable at room temperature. Contact for performance over temperature range.

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