

UT-075C-10

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 10 Ohms	 Operating Temperature -55°C to +125°C	 RoHS Compliant
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Details and Materials



Dimensions

Outer Conductor Diameter	in	0.075
	mm	1.905
Center Conductor Diameter	in	0.0453
	mm	1.1506
Length (Maximum)	ft	20
	m	6.10

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	150
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs/100ft	1.50
	kg / 100m	2.25

Electrical Characteristics*

Capacitance	pF/ft	145.1
	pF/m	476.0
Corona Extinction Voltage	VRMS @60 Hz	500
Voltage Withstanding	VRMS @60 Hz	1500
Higher Order Mode Frequency	GHz	51.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	55
1.0	38.8
5.0	17.1
10.0	12
18.0	8.8
26.5	7.2
40.0	5.8
50.0	5.1
65.0	N/A
90.0	N/A

Attenuation (Typical)

GHz	dB/100 ft
0.5	42.2
1.0	59.9
5.0	136.2
10.0	195.1
18.0	265.6
26.5	326.1
40.0	406.8
50.0	459.2
65.0	N/A
90.0	N/A

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

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