

UT-141-70

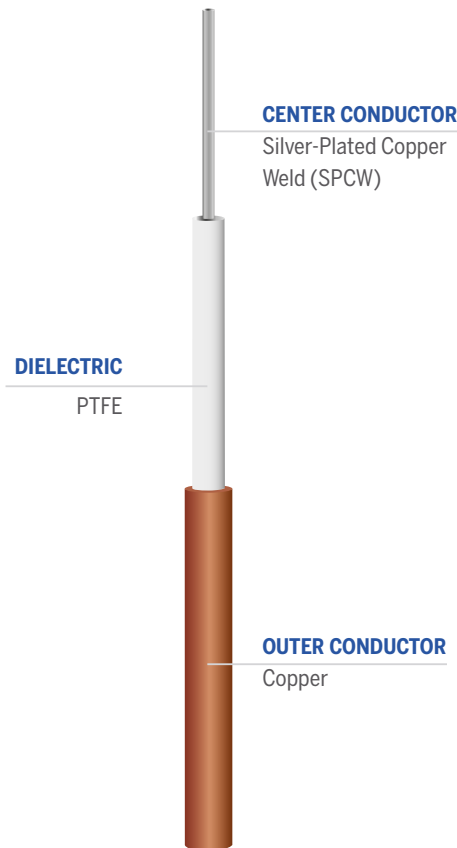
Semi-Rigid Coaxial Cables



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 +125°C	RoHS Compliant
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Details and Materials



Dimensions

Outer Conductor Diameter	in	0.141
	mm	3.581
Center Conductor Diameter	in	0.0201
	mm	0.5105
Length (Maximum)	ft	20
	m	6.10

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	150
Inside Bend Radius (Minimum)	in	0.188
	mm	4.775
Weight	lbs/100ft	3.87
	kg/100m	5.81

Electrical Characteristics*

Capacitance	pF/ft	20.7
	pF/m	68.0
Corona Extinction Voltage	VRMS @60 Hz	3200
Voltage Withstanding	VRMS @60 Hz	9600
Higher Order Mode Frequency	GHz	43.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	409.5
1.0	285.4
5.0	120.2
10.0	81.5
18.0	57.9
26.5	46
40.0	35.7
50.0	N/A
65.0	N/A
90.0	N/A

Attenuation (Typical)

GHz	dB/100 ft
0.5	9.2
1.0	13.3
5.0	32
10.0	47.7
18.0	67.8
26.5	86.2
40.0	112.1
50.0	N/A
65.0	N/A
90.0	N/A

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

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