

UT-044-12

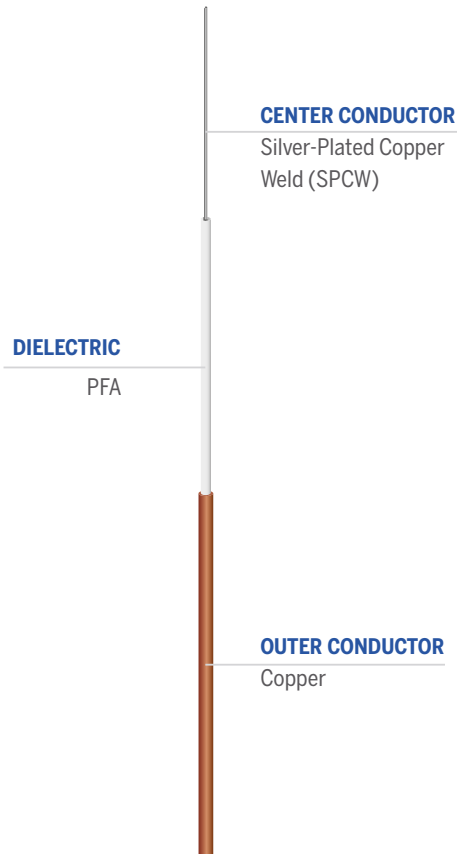
Semi-Rigid Coaxial Cables



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 12 Ohms	Operating Temperature -55°C to +150°C	RoHS Compliant
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Details and Materials



Dimensions

Outer Conductor Diameter	in	0.044
	mm	1.118
Center Conductor Diameter	in	0.0226
	mm	0.5740
Length (Maximum)	ft	15
	m	4.57

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	175
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs/100ft	0.51
	kg / 100m	0.77

Electrical Characteristics*

Capacitance	pF/ft	120.9
	pF/m	396.0
Corona Extinction Voltage	VRMS @60 Hz	300
Voltage Withstanding	VRMS @60 Hz	900
Higher Order Mode Frequency	GHz	100.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	27.6
1.0	19.5
5.0	8.6
10.0	6
18.0	4.5
26.5	3.7
40.0	2.9
50.0	2.6
65.0	2.3
90.0	1.9

Attenuation (Typical)

GHz	dB/100 ft
0.5	66.9
1.0	94.9
5.0	215
10.0	307.1
18.0	416.7
26.5	510.5
40.0	634.9
50.0	715.3
65.0	823.9
90.0	983.6

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

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