

UT-034-25

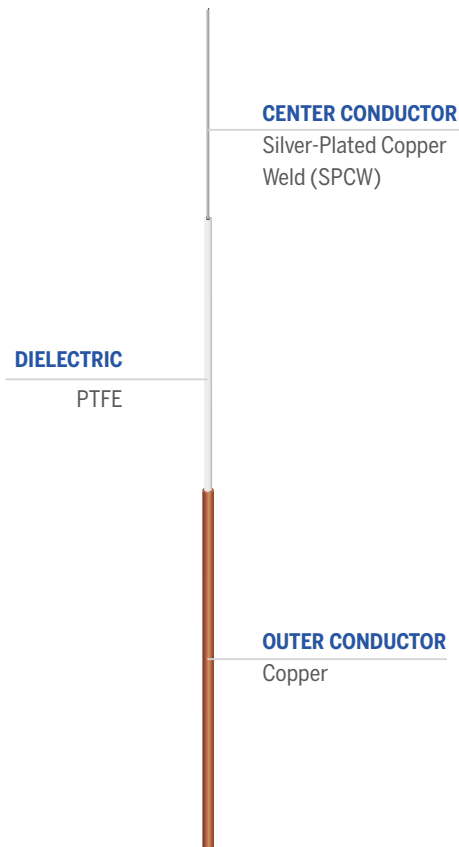
Semi-Rigid Coaxial Cables



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



Dimensions

Outer Conductor Diameter	in	0.034
	mm	0.864
Center Conductor Diameter	in	0.0126
	mm	0.3200
Length (Maximum)	ft	15
	m	4.57

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	175
Inside Bend Radius (Minimum)	in	0.050
	mm	1.270
Weight	lbs/100ft	0.28
	kg / 100m	0.42

Electrical Characteristics*

Capacitance	pF/ft	58.0
	pF/m	190.0
Corona Extinction Voltage	VRMS @60 Hz	400
Voltage Withstanding	VRMS @60 Hz	1200
Higher Order Mode Frequency	GHz	148.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	30
1.0	21.2
5.0	9.4
10.0	6.6
18.0	4.8
26.5	4
40.0	3.2
50.0	2.8
65.0	2.5
90.0	2.1

Attenuation (Typical)

GHz	dB/100 ft
0.5	49.9
1.0	70.7
5.0	160.5
10.0	229.4
18.0	311.6
26.5	382
40.0	475.5
50.0	536
65.0	617.7
90.0	738.1

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

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