

# UT-038C-25

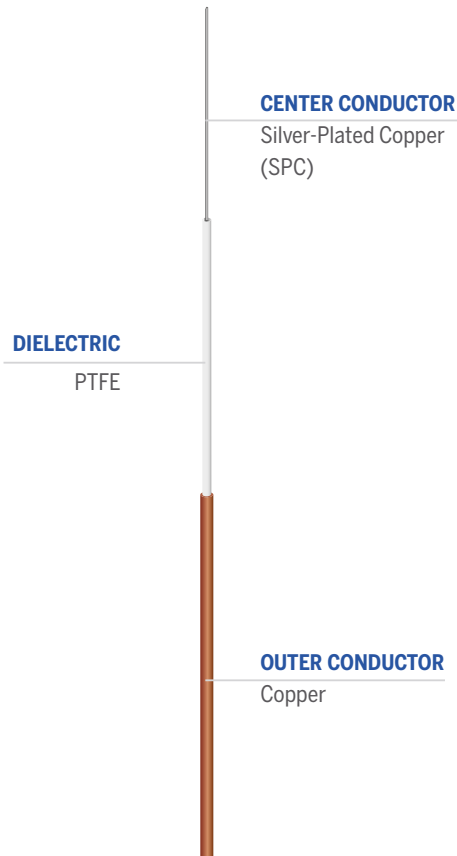
## Semi-Rigid Coaxial Cables



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.

<b>Impedance</b> 25 Ohms	<b>Operating Temperature</b> -55°C to +150°C	<b>RoHS</b> Compliant
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### Details and Materials



### Dimensions

Outer Conductor Diameter	in	0.038
	mm	0.965
Center Conductor Diameter	in	0.0159
	mm	0.4039
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	0.33
	kg / 100m	0.50

### Electrical Characteristics\*

Capacitance	pF/ft	58.0
	pF/m	190.0
Corona Extinction Voltage	VRMS @60 Hz	500
Voltage Withstanding	VRMS @60 Hz	1500
Higher Order Mode Frequency	GHz	120.0

### Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	38.4
1.0	27.1
5.0	12
10.0	8.4
18.0	6.2
26.5	5
40.0	4
50.0	3.6
65.0	3.1
90.0	2.6

### Attenuation (Typical)

GHz	dB/100 ft
0.5	42.6
1.0	60.5
5.0	137.6
10.0	197.1
18.0	268.2
26.5	329.3
40.0	410.7
50.0	463.6
65.0	535.2
90.0	641.1

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

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