

UT-070C-25

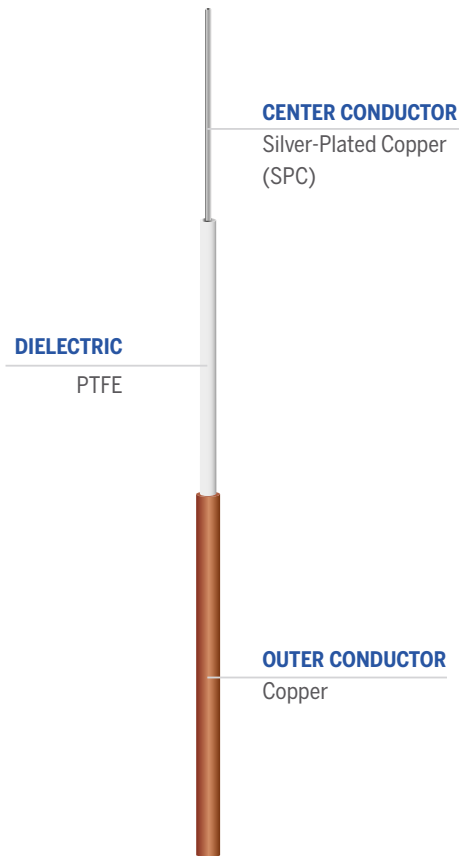
Semi-Rigid Coaxial Cables



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 +125°C	 RoHS Compliant
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Details and Materials



Dimensions

Outer Conductor Diameter	in	0.070
	mm	1.778
Center Conductor Diameter	in	0.0314
	mm	0.7976
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	1.04
	kg / 100m	1.56

Electrical Characteristics*

Capacitance	pF/ft	58.0
	pF/m	190.0
Corona Extinction Voltage	VRMS @60 Hz	1000
Voltage Withstanding	VRMS @60 Hz	3000
Higher Order Mode Frequency	GHz	60.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	103.2
1.0	72.5
5.0	31.5
10.0	21.9
18.0	15.9
26.5	12.9
40.0	10.2
50.0	9
65.0	N/A
90.0	N/A

Attenuation (Typical)

GHz	dB/100 ft
0.5	21.2
1.0	30.3
5.0	70
10.0	101.4
18.0	139.8
26.5	173.5
40.0	219.4
50.0	249.7
65.0	N/A
90.0	N/A

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

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