

# UT-090C-25

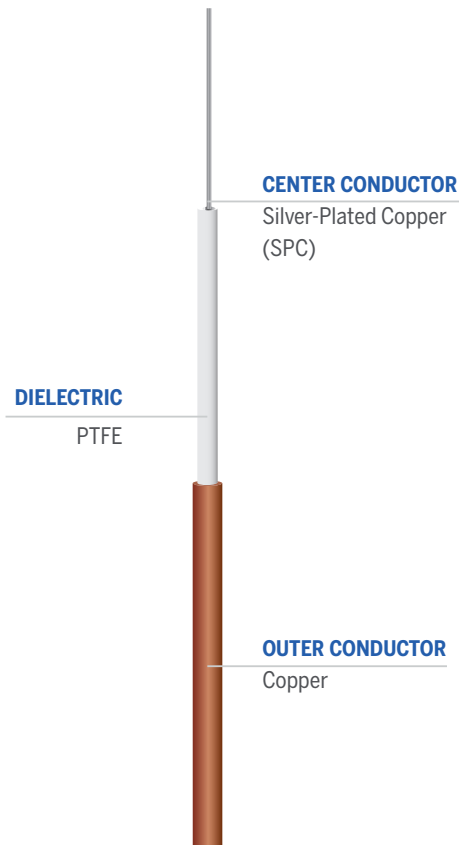
## Semi-Rigid Coaxial Cables



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 +125°C	 <b>RoHS</b> Compliant
---	---	--

### Details and Materials



### Dimensions

Outer Conductor Diameter	in	0.090
	mm	2.286
Center Conductor Diameter	in	0.0403
	mm	1.0236
Length (Maximum)	ft	20
	m	6.10

### Mechanical Characteristics\*

Outer Conductor Integrity Temp.	°C	175
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs/100ft	1.69
	kg / 100m	2.54

### Electrical Characteristics\*

Capacitance	pF/ft	58.0
	pF/m	190.0
Corona Extinction Voltage	VRMS @60 Hz	1300
Voltage Withstanding	VRMS @60 Hz	3900
Higher Order Mode Frequency	GHz	46.0

### Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	205.1
1.0	143.8
5.0	62.1
10.0	42.8
18.0	31
26.5	25
40.0	19.7
50.0	N/A
65.0	N/A
90.0	N/A

### Attenuation (Typical)

GHz	dB/100 ft
0.5	16.1
1.0	23
5.0	53.8
10.0	78.5
18.0	109.2
26.5	136.3
40.0	173.7
50.0	N/A
65.0	N/A
90.0	N/A

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

**MICRO-COAX**   
AN AMPHENOL COMPANY