

# UT-090C-35

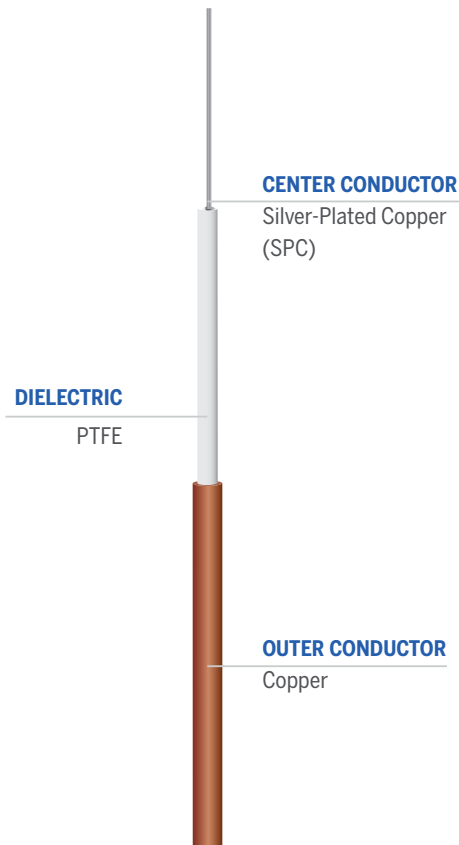
## Semi-Rigid Coaxial Cables



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> 35 Ohms	 <b>Operating Temperature</b> -55°C to +125°C	 <b>RoHS</b> Compliant
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### Details and Materials



### Dimensions

Outer Conductor Diameter	in	0.090
	mm	2.286
Center Conductor Diameter	in	0.0320
	mm	0.8128
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	1.51
	kg / 100m	2.27

### Electrical Characteristics\*

Capacitance	pF/ft	41.5
	pF/m	136.0
Corona Extinction Voltage	VRMS @60 Hz	1600
Voltage Withstanding	VRMS @60 Hz	4800
Higher Order Mode Frequency	GHz	50.0

### Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	200.7
1.0	140.4
5.0	60.2
10.0	41.3
18.0	29.7
26.5	23.8
40.0	18.7
50.0	16.4
65.0	N/A
90.0	N/A

### Attenuation (Typical)

GHz	dB/100 ft
0.5	13.3
1.0	19.1
5.0	45.1
10.0	66.2
18.0	92.6
26.5	116.2
40.0	148.9
50.0	170.9
65.0	N/A
90.0	N/A

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

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