

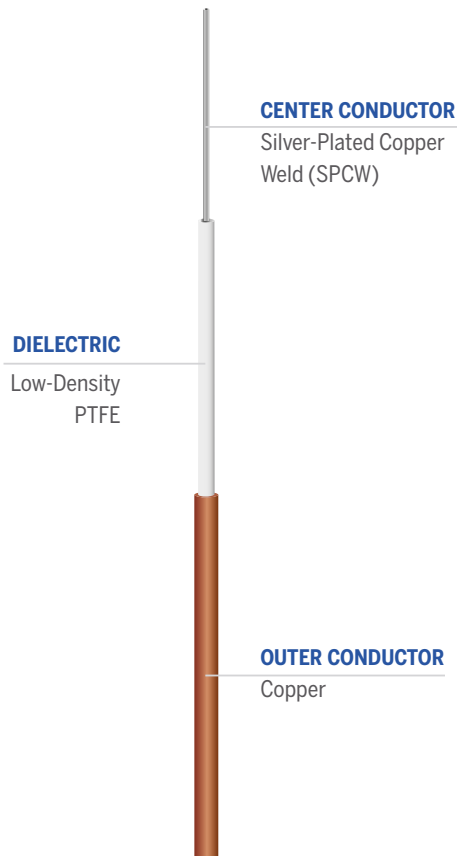
# UT-070-LL

## Semi-Rigid Coaxial Cables



The low-loss semi-rigid cables from Micro-Coax provide lower attenuation, better phase stability with temperature, and a higher operating temperature when compared to traditional solid PTFE semi-rigid cables. This line of semi-rigid cables has 4 available outer conductor options: copper, tin-plated copper, aluminum, or tin-plated aluminum.

### Details and Materials



**MICRO-COAX**   
AN AMPHENOL COMPANY

 **Impedance** 50 Ohms | 
  **Operating Temperature** -55°C to +250°C | 
  **RoHS Compliant**

### Dimensions

Outer Conductor Diameter	in	0.070
	mm	1.778
Center Conductor Diameter	in	0.0201
	mm	0.5105
Length (Maximum)	ft	20
	m	6.10

### Mechanical Characteristics\*

Outer Conductor Integrity Temp.	°C	250
Inside Bend Radius (Minimum)	in	0.250
	mm	6.350
Weight	lbs/100ft	0.75
	kg / 100m	1.13

### Electrical Characteristics\*

Capacitance	pF/ft	26.5
	pF/m	86.8
Corona Extinction Voltage	VRMS @60 Hz	1400
Voltage Withstanding	VRMS @60 Hz	4200
Higher Order Mode Frequency	GHz	73.0

### Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	265.5
1.0	187.2
5.0	@ 82.8
10.0	58.1
18.0	42.9
26.5	35.1
40.0	28.2
50.0	25.1
65.0	21.8
90.0	N/A

### Attenuation (Typical)

GHz	dB/100 ft
0.5	13.8
1.0	19.6
5.0	44.5
10.0	63.6
18.0	86.4
26.5	106
40.0	132
50.0	148.9
65.0	171.7
90.0	N/A

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