

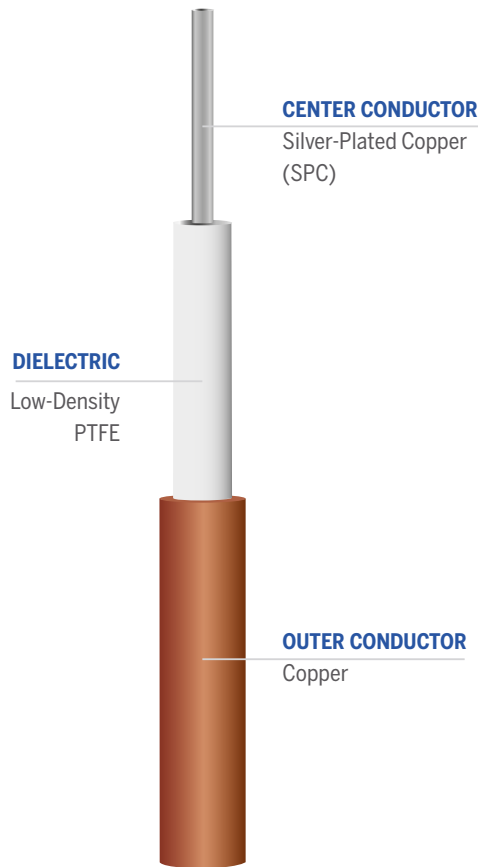
# UT-250C-LL

## Low-Loss 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



 <b>Impedance</b> 50 Ohms	 <b>Operating Temperature</b> -55°C to +250°C	 <b>RoHS</b> Compliant
---	---	--

### Dimensions

Outer Conductor Diameter	in	0.250
	mm	6.350
Center Conductor Diameter	in	0.0720
	mm	1.8288
Length (Maximum)	ft	20
	m	6.10

### Mechanical Characteristics\*

Outer Conductor Integrity Temp.	°C	250
Inside Bend Radius (Minimum)	in	0.750
	mm	19.050
Weight	lbs/100ft	9.40
	kg/100m	14.11

### Electrical Characteristics\*

Capacitance	pF/ft	26.5
	pF/m	86.8
Corona Extinction Voltage	VRMS @60 Hz	5200
Voltage Withstanding	VRMS @60 Hz	15600
Higher Order Mode Frequency	GHz	20.0

### Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	2130.7
1.0	1492.3
5.0	641.5
10.0	440.9
18.0	318.1
26.5	N/A
40.0	N/A
50.0	N/A
65.0	N/A
90.0	N/A

### Attenuation (Typical)

GHz	dB/100 ft
0.5	3.9
1.0	5.6
5.0	13.1
10.0	19.3
18.0	26.9
26.5	N/A
40.0	N/A
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