

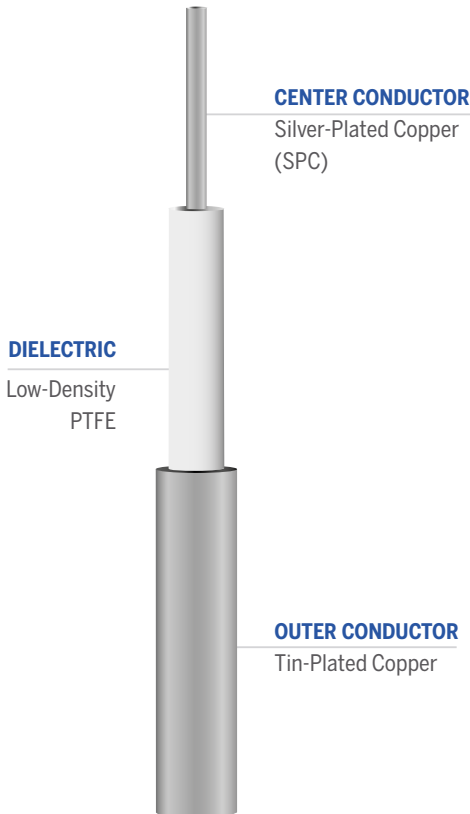
# UT-250C-TP-LL

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 +225°C	 <b>RoHS</b> Compliant
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## Dimensions

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

## Mechanical Characteristics\*

<b>Outer Conductor Integrity Temp.</b>	°C	225
<b>Inside Bend Radius (Minimum)</b>	in	0.750
	mm	19.050
<b>Weight</b>	lbs/100ft	9.40
	kg/100m	14.11

## Electrical Characteristics\*

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

## Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	1775.3
1.0	1243.4
5.0	534.6
10.0	367.4
18.0	265.2
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.

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