

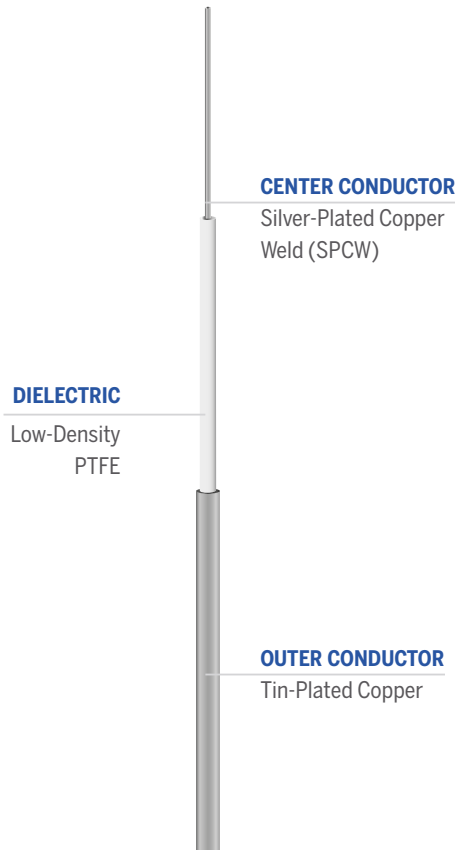
UT-070-TP-LL

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



 Impedance 75 Ohms	 Operating Temperature -55°C to +225°C	 RoHS Compliant
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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	225
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	216.7
1.0	152.9
5.0	67.6
10.0	47.4
18.0	35
26.5	28.6
40.0	23.1
50.0	20.5
65.0	17.8
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.

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