

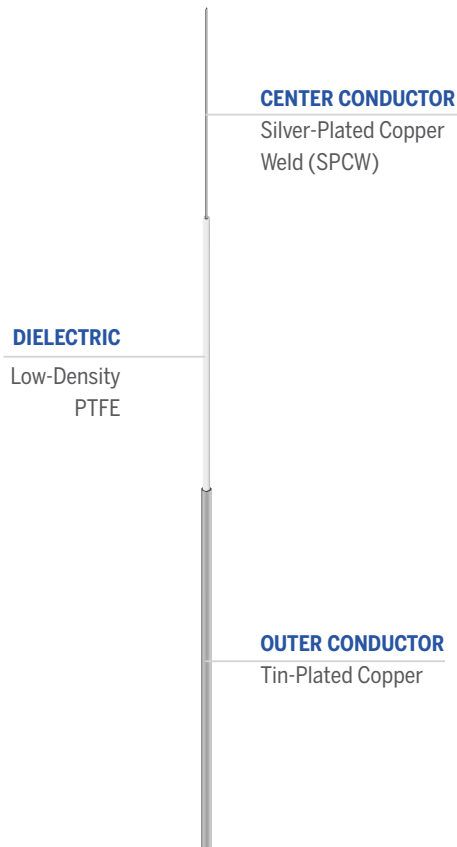
UT-031-TP-LL

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



 Impedance 50 Ohms	 Operating Temperature -55°C to +225°C	 RoHS Compliant
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Dimensions

Outer Conductor Diameter	in	0.031
	mm	0.787
Center Conductor Diameter	in	0.0080
	mm	0.2032
Length (Maximum)	ft	20
	m	6.10

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	225
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs/100ft	0.17
	kg/100m	0.26

Electrical Characteristics*

Capacitance	pF/ft	26.5
	pF/m	86.8
Corona Extinction Voltage	VRMS @60 Hz	600
Voltage Withstanding	VRMS @60 Hz	1800
Higher Order Mode Frequency	GHz	180.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	47.4
1.0	33.5
5.0	14.9
10.0	10.5
18.0	7.8
26.5	6.4
40.0	5.2
50.0	4.6
65.0	4
90.0	3.4

Attenuation (Typical)

GHz	dB/100 ft
0.5	33.6
1.0	47.6
5.0	107.1
10.0	152.2
18.0	205.4
26.5	250.3
40.0	309.3
50.0	347.1
65.0	397.7
90.0	471.3

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

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