

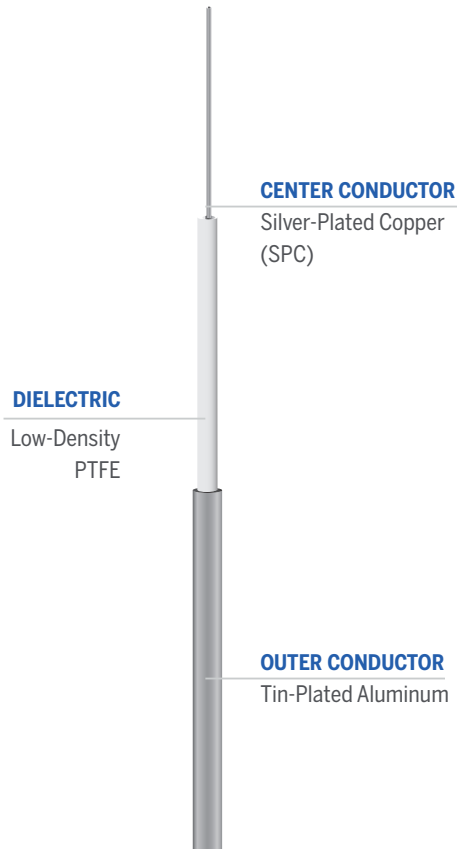
UT-085C-AL-TP-LL

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	0.0865
	mm	2.1971
Center Conductor Diameter	in	0.0226
	mm	0.5740
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	0.69
	kg/100m	1.04

Electrical Characteristics*

Capacitance	pF/ft	26.5
	pF/m	86.8
Corona Extinction Voltage	VRMS @60 Hz	1600
Voltage Withstanding	VRMS @60 Hz	4800
Higher Order Mode Frequency	GHz	65.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	262.7
1.0	185.2
5.0	81.9
10.0	57.4
18.0	42.4
26.5	34.6
40.0	27.9
50.0	24.8
65.0	21.5
90.0	N/A

Attenuation (Typical)

GHz	dB/100 ft
0.5	13.4
1.0	19
5.0	43.1
10.0	61.7
18.0	83.9
26.5	102.9
40.0	128.3
50.0	144.7
65.0	166.9
90.0	N/A

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

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