

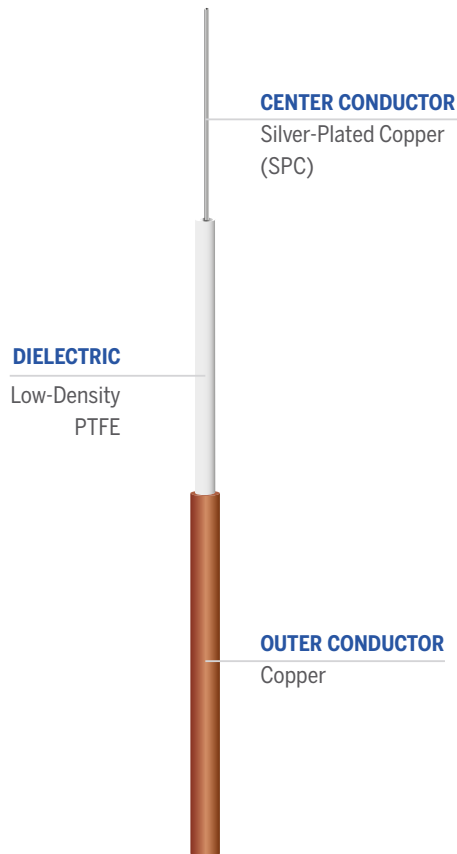
UT-085C-LL

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 50 Ohms |
 Operating Temperature -55°C to +250°C |
 RoHS Compliant

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	250
Inside Bend Radius (Minimum)	in	0.250
	mm	6.350
Weight	lbs/100ft	1.39
	kg / 100m	2.09

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	343.4
1.0	242.1
5.0	106.9
10.0	74.9
18.0	55.3
26.5	45.1
40.0	36.3
50.0	32.3
65.0	28
90.0	N/A

Attenuation (Typical)

GHz	dB/100 ft
0.5	12.4
1.0	17.5
5.0	39.9
10.0	57.2
18.0	77.8
26.5	95.5
40.0	119.2
50.0	134.5
65.0	155.3
90.0	N/A

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

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