

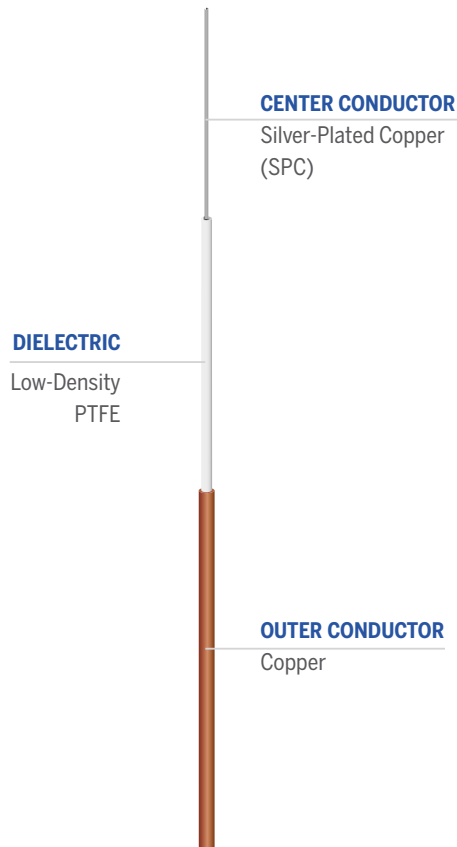
UT-047C-LL

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



MICRO-COAX 
AN AMPHENOL COMPANY

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

Outer Conductor Diameter	in	0.047
	mm	1.194
Center Conductor Diameter	in	0.0126
	mm	0.3200
Length (Maximum)	ft	20
	m	6.10

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	250
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs/100ft	0.39
	kg / 100m	0.59

Electrical Characteristics*

Capacitance	pF/ft	26.5
	pF/m	86.8
Corona Extinction Voltage	VRMS @60 Hz	900
Voltage Withstanding	VRMS @60 Hz	2700
Higher Order Mode Frequency	GHz	116.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	125.6
1.0	88.7
5.0	39.4
10.0	27.7
18.0	20.5
26.5	16.8
40.0	13.6
50.0	12.1
65.0	10.6
90.0	8.9

Attenuation (Typical)

GHz	dB/100 ft
0.5	21.9
1.0	31.1
5.0	70.2
10.0	100
18.0	135.2
26.5	165.2
40.0	204.8
50.0	230.2
65.0	264.4
90.0	314.4

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