

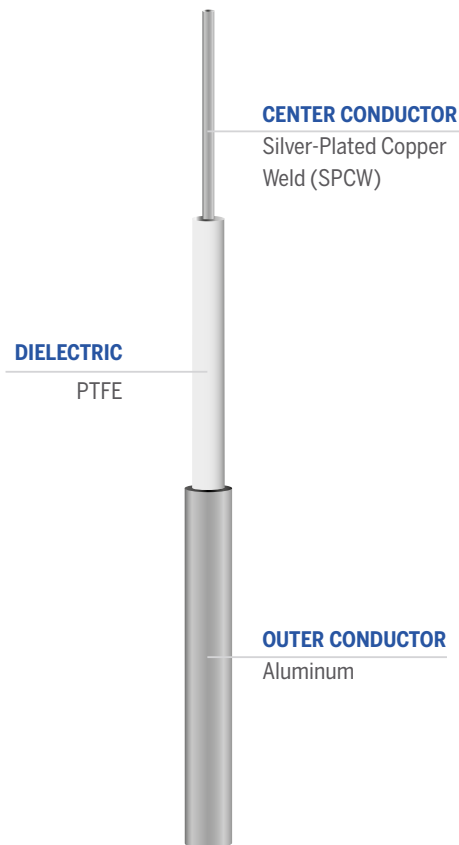
# UT-141A-AL

## Semi-Rigid Coaxial Cables



The 50Ω copper semi-rigid cables from Micro-Coax offer exceptional performance with minimal signal loss and low VSWR across the operating frequency. These versatile cables are engineered with high shielding effectiveness to reduce signal loss and interference, making them ideal for today's demanding applications.

### Details and Materials



 <b>Impedance</b> 50 Ohms	 <b>Operating Temperature</b> -55°C to +225°C	 <b>RoHS</b> Compliant
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### Dimensions

Outer Conductor Diameter	in	0.141
	mm	3.581
Center Conductor Diameter	in	0.0362
	mm	0.9195
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	1.93
	kg/100m	2.90

### Electrical Characteristics\*

Capacitance	pF/ft	29.0
	pF/m	95.2
Corona Extinction Voltage	VRMS @60 Hz	3200
Voltage Withstanding	VRMS @60 Hz	9600
Higher Order Mode Frequency	GHz	34.0

### Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	557.7
1.0	388.5
5.0	163.4
10.0	110.6
18.0	78.5
26.5	62.2
40.0	N/A
50.0	N/A
65.0	N/A
90.0	N/A

### Attenuation (Typical)

GHz	dB/100 ft
0.5	7.9
1.0	11.5
5.0	28.7
10.0	43.3
18.0	63
26.5	80.3
40.0	N/A
50.0	N/A
65.0	N/A
90.0	N/A

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

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