

UT-085-AL

Semi-Rigid Coaxial Cables



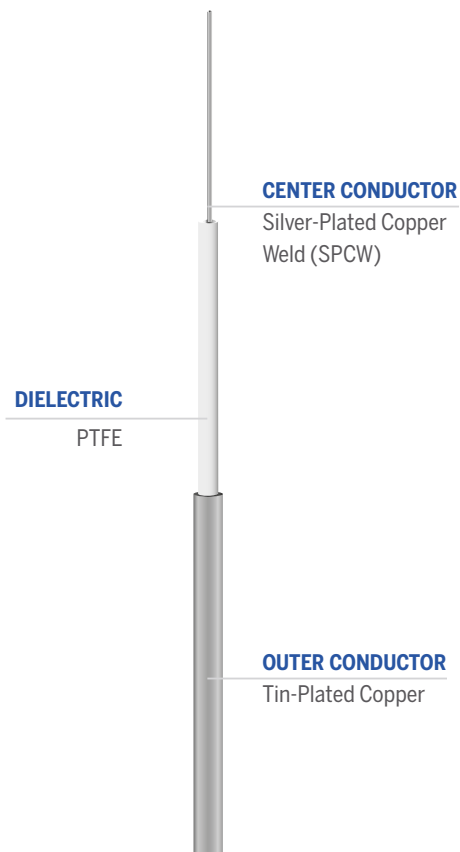
Our 50 Ω aluminum semi-rigid cables are ideal for hand forming or where weight savings is a premium.

 **Impedance**
50 Ohms

 **Operating Temperature**
-55°C to +225°C

 **RoHS**
Compliant

Details and Materials



Dimensions

Outer Conductor Diameter	in	0.0865
	mm	2.1971
Center Conductor Diameter	in	0.0201
	mm	0.5105
Length (Maximum)	ft	20
	m	6.10

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	225
Inside Bend Radius (Minimum)	in	0.070
	mm	1.778
Weight	lbs/100ft	0.72
	kg/100m	1.08

Electrical Characteristics*

Capacitance	pF/ft	29.0
	pF/m	95.2
Corona Extinction Voltage	VRMS @60 Hz	1800
Voltage Withstanding	VRMS @60 Hz	5400
Higher Order Mode Frequency	GHz	61.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	231.8
1.0	162.5
5.0	70.1
10.0	48.3
18.0	35
26.5	28.1
40.0	22.2
50.0	19.5
65.0	N/A
90.0	N/A

Attenuation (Typical)

GHz	dB/100 ft
0.5	14.3
1.0	21
5.0	47.6
10.0	72
18.0	100.3
26.5	125.6
40.0	160.5
50.0	183.9
65.0	N/A
90.0	N/A

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

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