

# UT-085-AL-TP-M17

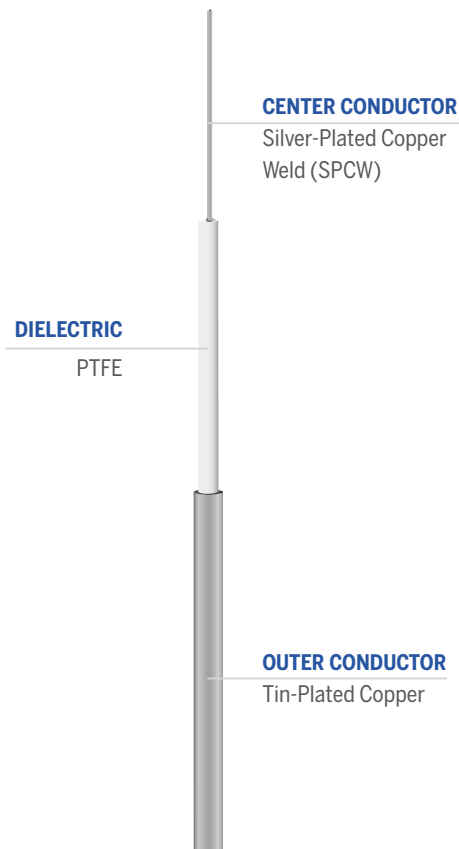
## Semi-Rigid Coaxial Cables



Our 50  $\Omega$  aluminum semi-rigid cables are ideal for hand forming or where weight savings is a premium. Connectors can be easily soldered to the tin-plated aluminum outer conductor.

 **Impedance**  
50 Ohms
  **Operating Temperature**  
-40°C to +125°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	237.5
1.0	166.5
5.0	71.9
10.0	49.5
18.0	35.8
26.5	28.8
40.0	22.8
50.0	20
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.

**MICRO-COAX**   
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