

# UT-034-M17

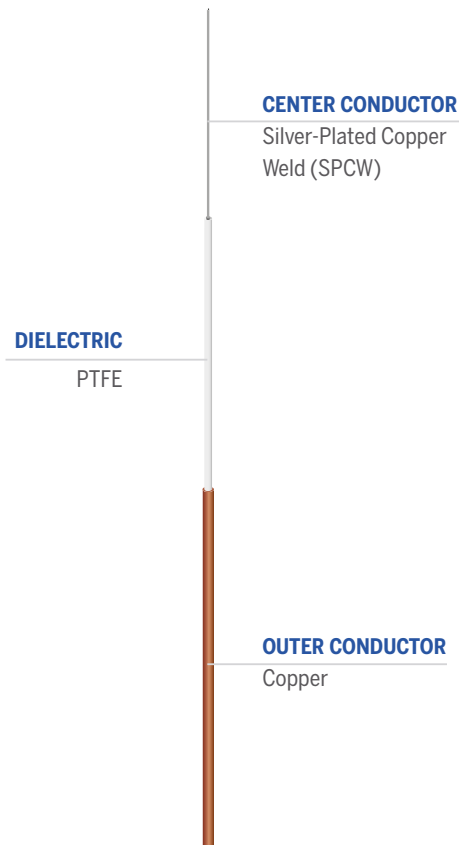
## MIL-DTL-17 Semi-Rigid Coaxial Cables



### M17/154-00001

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> -40°C to +100°C	<b>RoHS</b> Compliant
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#### Dimensions

Outer Conductor Diameter	in	0.034
	mm	0.864
Center Conductor Diameter	in	0.0080
	mm	0.2032
Length (Maximum)	ft	15
	m	4.57

#### Mechanical Characteristics\*

Outer Conductor Integrity Temp.	°C	150
Inside Bend Radius (Minimum)	in	0.050
	mm	1.270
Weight	lbs/100ft	0.22
	kg / 100m	0.33

#### Electrical Characteristics\*

Capacitance	pF/ft	29.0
	pF/m	95.2
Corona Extinction Voltage	VRMS @60 Hz	750
Voltage Withstanding	VRMS @60 Hz	2100
Higher Order Mode Frequency	GHz	155.0

#### Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	35.7
1.0	25.2
5.0	11.1
10.0	7.7
18.0	5.7
26.5	4.6
40.0	3.7
50.0	3.3
65.0	2.8
90.0	2.4

#### Attenuation (Typical)

GHz	dB/100 ft
0.5	34
1.0	48.3
5.0	110.4
10.0	158.5
18.0	216.5
26.5	266.6
40.0	333.7
50.0	377.5
65.0	437
90.0	525.5

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

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