

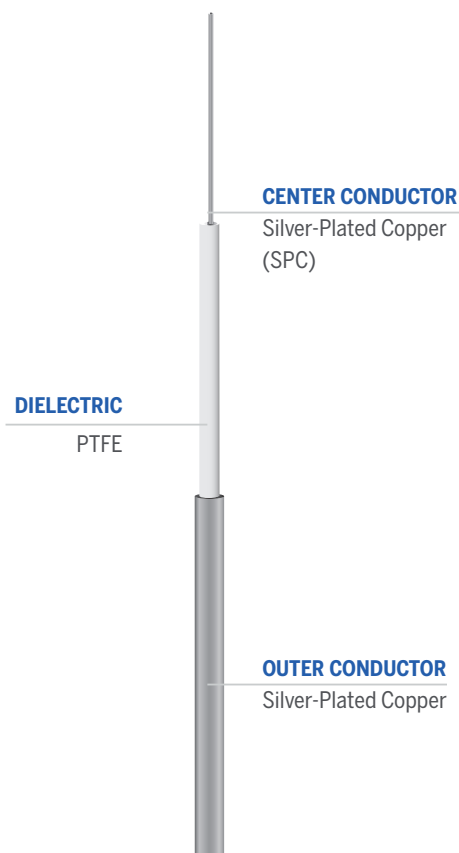
# UT-085-SP-M17

MIL-DTL-17 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



**Impedance** 50 Ohms | 
 **Operating Temperature** -40°C to +125°C | 
 **RoHS** Compliant

## 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	175
Inside Bend Radius (Minimum)	in	0.050
	mm	1.270
Weight	lbs/100ft	1.43
	kg/100m	2.15

## Electrical Characteristics\*

Capacitance	pF/ft	29.0
	pF/m	95.2
Corona Extinction Voltage	VRMS @60 Hz	1500
Voltage Withstanding	VRMS @60 Hz	5400
Higher Order Mode Frequency	GHz	61.0

## Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	173.5
1.0	121.5
5.0	52.2
10.0	35.8
18.0	25.8
26.5	20.7
40.0	16.3
50.0	14.3
65.0	N/A
90.0	N/

## Attenuation (Typical)

GHz	dB/100 ft
0.5	13.6
1.0	19.5
5.0	46
10.0	67.4
18.0	94.3
26.5	118.3
40.0	151.5
50.0	173.8
65.0	N/A
90.0	N/A

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

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