

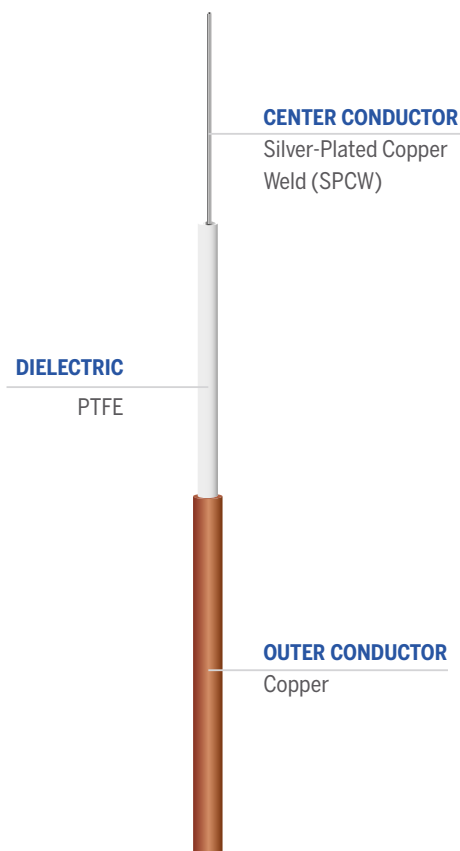
# UT-085-93

## Semi-Rigid Coaxial Cables



Micro-Coax's specialized impedance semi-rigid cables—with impedances from 5 to 100Ω and diameters from 0.020 to 0.250 inches—are an ideal solution for any impedance matching requirement.

### Details and Materials



**MICRO-COAX**  
AN AMPHENOL COMPANY

Ω Impedance  
93 Ohms

🌡 Operating Temperature  
-55°C to +125°C

🛡 RoHS  
Compliant

### Dimensions

Outer Conductor Diameter	in	0.085
	mm	2.159
Center Conductor Diameter	in	0.0080
	mm	0.2032
Length (Maximum)	ft	20
	m	6.10

### Mechanical Characteristics\*

Outer Conductor Integrity Temp.	°C	150
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs/100ft	1.03
	kg / 100m	1.55

### Electrical Characteristics\*

Capacitance	pF/ft	15.6
	pF/m	51.2
Corona Extinction Voltage	VRMS @60 Hz	2500
Voltage Withstanding	VRMS @60 Hz	7500
Higher Order Mode Frequency	GHz	65.0

### Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	159.4
1.0	111.8
5.0	48.2
10.0	33.2
18.0	24
26.5	19.3
40.0	15.3
50.0	13.4
65.0	11.5
90.0	N/A

### Attenuation (Typical)

GHz	dB/100 ft
0.5	15.6
1.0	22.3
5.0	52.2
10.0	76.3
18.0	106.1
26.5	132.6
40.0	169.2
50.0	193.5
65.0	227.3
90.0	N/A

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