

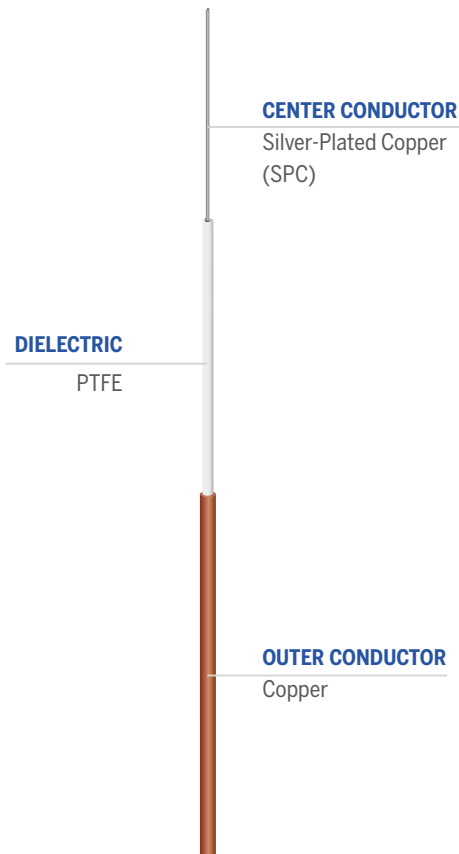
UT-047C

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 -55°C to +150°C	RoHS Compliant
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Dimensions

Outer Conductor Diameter	in	0.047
	mm	1.194
Center Conductor Diameter	in	0.0113
	mm	0.2870
Length (Maximum)	ft	20
	m	6.10

Mechanical Characteristics*

Outer Conductor Integrity Temp.	°C	175
Inside Bend Radius (Minimum)	in	0.125
	mm	3.175
Weight	lbs/100ft	0.40
	kg / 100m	0.60

Electrical Characteristics*

Capacitance	pF/ft	29.0
	pF/m	95.2
Corona Extinction Voltage	VRMS @60 Hz	1000
Voltage Withstanding	VRMS @60 Hz	3000
Higher Order Mode Frequency	GHz	109.0

Power (@ 20 °C, Maximum)

GHz	Watts Cw
0.5	80.5
1.0	56.6
5.0	24.7
10.0	17.2
18.0	12.6
26.5	10.2
40.0	8.1
50.0	7.2
65.0	6.2
90.0	5.1

Attenuation (Typical)

GHz	dB/100 ft
0.5	24
1.0	34.2
5.0	78.8
10.0	113.8
18.0	156.5
26.5	193.8
40.0	244.2
50.0	277.5
65.0	323
90.0	391.3

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

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