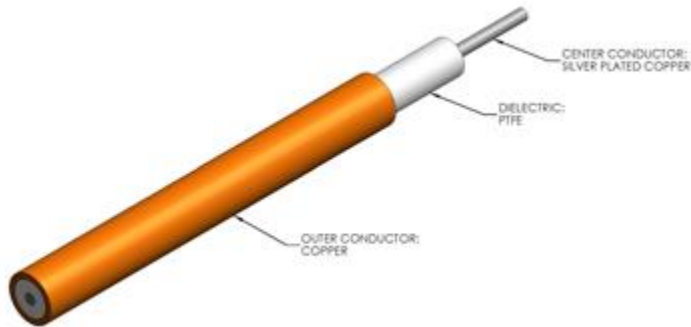


## UT-090C-25

Cables with impedances from 5 to 95 ohms and diameters from 0.020 to 0.250 inch, Micro-Coax's odd impedance semi-rigid cables are the right solution for any impedance matching requirement.



### DIMENSIONS

### UNITS

### UT-090C-25

Outer Conductor Diameter	In	0.090 ± 0.001
	mm	2.286 ± 0.025
Dielectric Diameter	In	0.073 ± 0.001
	mm	1.854 ± 0.025
Center Conductor Diameter	In	0.0403
	mm	1.0236
length (maximum)	Feet	20
	Meter	6.10

### MATERIALS

Outer Conductor		Copper
Outer Conductor Plating		None
Dielectric		PTFE
Center Conductor		SPC
Rohs Compliant		YES

### MECHANICAL CHARACTERISTICS

Outer Conductor Integrity Temp.	°C	175
Operating Temperature (Max)	°C	125
Inside Bend Radius (Minimum)	In	0.125
	mm	3.175
Weight	lbs / 100ft	1.69
	kg / 100m	2.54

### ELECTRICAL CHARACTERISTICS

Characteristic Impedance	ohm	25
Capacitance	pF/ ft	58.0
	pF/ m	190.0
Corona Extinction Voltage	VRMS @ 60 Hz	1300
Voltage Withstanding	VRMS @ 60 Hz	3900
Higher Order Mode Frequency	GHz	46.0
Attenuation (Db / 100 Ft Typical)	0.5 GHz	16.1
	1.0 GHz	23
	5.0 GHz	53.8
	10.0 GHz	78.5
	18.0 GHz	109.2
	26.5 GHz	136.3
	40.0 GHz	173.7
	50.0 GHz	N/A
	65.0 GHz	N/A
	90.0 GHz	N/A
Power (Watts Cw @ 20 °C, Maximum)	0.5 GHz	205.1
	1.0 GHz	143.8
	5.0 GHz	62.1
	10.0 GHz	42.8
	18.0 GHz	31
	26.5 GHz	25
	40.0 GHz	19.7
	50.0 GHz	N/A
	65.0 GHz	N/A
	90.0 GHz	N/A