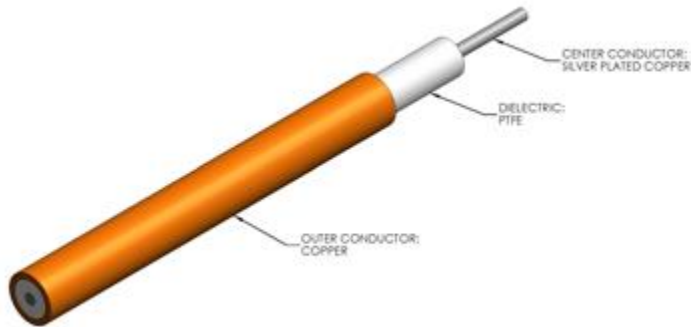


UT-090C-25

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