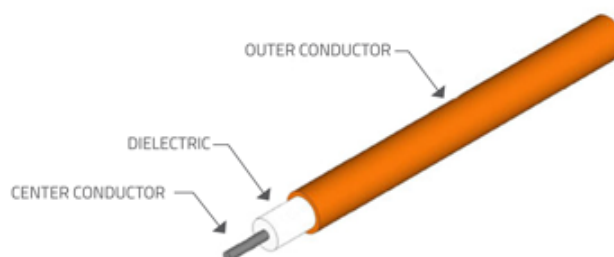


UT-141C-SP

Standard copper 50 ohm semi-rigid cables feature low attenuation and VSWR covering the entire microwave spectrum. With numerous connector options available off-the-shelf, this family of cables is one of the most versatile available today. They meet the demands of package density and provide total shielding for elimination of signal loss and noise.



DIMENSIONS

	UNITS	UT-141C-SP
Outer Conductor Diameter	In	0.141 +0.002/-0.001
	mm	3.581 +0.051/-0.025
Dielectric Diameter	In	0.1175 ± 0.0010
	mm	2.9845 ± 0.0254
Center Conductor Diameter	In	0.0362
	mm	0.9195
length (maximum)	Feet	20.0
	Meter	6.10

MATERIALS

Outer Conductor		Copper
Outer Conductor Plating		Silver
Dielectric		PTFE
Center Conductor		SPC
Rohs Compliant		YES

MECHANICAL CHARACTERISTICS

Outer Conductor Integrity Temp.	°C	175.0
Operating Temperature (Max)	°C	125.0
Inside Bend Radius (Minimum)	In	0.0750
	mm	1.9050
Weight	lbs / 100ft	3.32
	kg / 100m	4.98

ELECTRICAL CHARACTERISTICS

Characteristic Impedance	ohm	50.0
Capacitance	pF / ft	29.00
	pF / m	95.20
Corona Extinction Voltage	VRMS @ 60 Hz	1900.0
Voltage Withstanding	VRMS @ 60 Hz	9600.0
Higher Order Mode Frequency	GHz	34.0
Attenuation (Db / 100 Ft Typical)	0.5 GHz	7.60
	1.0 GHz	11.30
	5.0 GHz	27.60
	10.0 GHz	41.60
	18.0 GHz	59.60
	26.5 GHz	76.20
	40.0 GHz	N/A
	50.0 GHz	N/A
	65.0 GHz	N/A
	90.0 GHz	N/A
Power (Watts Cw @ 20 °C, Maximum)	0.5 GHz	436.40
	1.0 GHz	303.40
	5.0 GHz	126.70
	10.0 GHz	85.30
	18.0 GHz	60.30
	26.5 GHz	47.60
	40.0 GHz	N/A
	50.0 GHz	N/A
	90.0 GHz	N/A