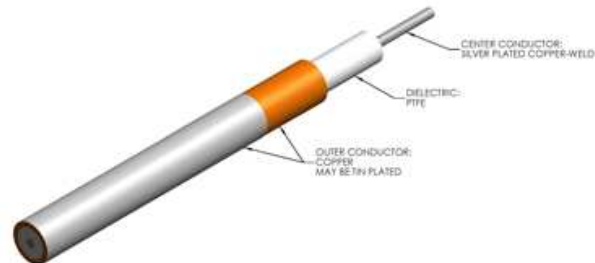


STANDARD COPPER 50 OHM SEMI-RIGID CABLES

UT-020-M

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-020-M
Outer Conductor Diameter	In	0.023 ± 0.001
	mm	0.584 ± 0.025
Center Conductor Diameter	In	0.0045
	mm	0.1143
length (maximum)	Feet	10
	Meter	3.05

MATERIALS

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

MECHANICAL CHARACTERISTICS

Outer Conductor Integrity Temp.	°C	250
Operating Temperature (Max)	°C	225
Inside Bend Radius (Minimum)	In	0.032
	mm	0.813
Weight	lbs / 100ft	0.10
	kg / 100m	0.15

ELECTRICAL CHARACTERISTICS

Characteristic Impedance	ohm	50
Capacitance	pF/ ft	29.0
	pF/ m	95.2
Corona Extinction Voltage	VRMS @ 60 Hz	250
Voltage Withstanding	VRMS @ 60 Hz	1200
Higher Order Mode Frequency	GHz	245.0
Attenuation (Db / 100 Ft Typical)	0.5 GHz	51.6
	1.0 GHz	73.3
	5.0 GHz	166.1
	10.0 GHz	237.3
	18.0 GHz	322.2
	26.5 GHz	394.9
	40.0 GHz	491.3
	50.0 GHz	553.7
	65.0 GHz	638
Power (Watts Cw @ 20 °C, Maximum)	90.0 GHz	761.9
	0.5 GHz	30.9
	1.0 GHz	21.8
	5.0 GHz	9.6
	10.0 GHz	6.8
	18.0 GHz	5
	26.5 GHz	4.1
	40.0 GHz	3.3
	50.0 GHz	2.9
65.0 GHz	2.6	
90.0 GHz	2.1	



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