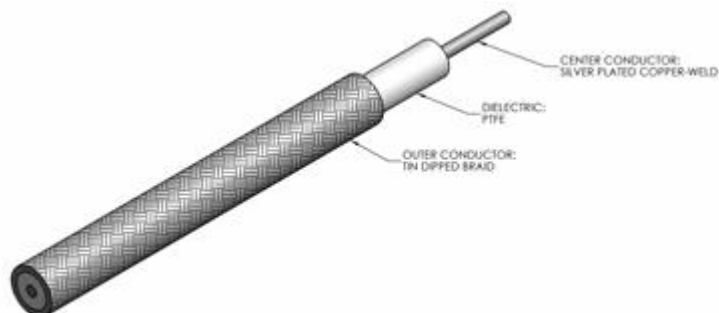


## UT-047-FORM

UTiFORM employs a lead-free alloy dipped outer conductor that is excellent for repeated forming. This dipped braid construction enables the user to minimize system installation costs, because cables can be easily configured as they are installed.



### DIMENSIONS UNITS UT-047-FORM

	UNITS	UT-047-FORM
Outer Conductor Diameter	In	0.047 ± 0.003
	mm	1.194 ± 0.076
Jacket Diameter	In	-
	mm	-
Center Conductor Diameter	In	0.0113
	mm	0.2870
length (maximum)	Feet	0.0
	Meter	0.00

### MATERIALS

Outer Conductor		Tin-Dipped Braid
Outer Conductor Plating		None
Dielectric		PTFE
Center Conductor		SPCW
Rohs Compliant		YES

### MECHANICAL CHARACTERISTICS\*

Outer Conductor Integrity Temp.	°C	225.0
Operating Temperature (Max)	°C	200.0
Inside Bend Radius (Minimum)	In	0.1000
	mm	2.5400
Weight	lbs / 100ft	0.34
	kg / 100m	0.51

### ELECTRICAL CHARACTERISTICS\*

Characteristic Impedance	ohm	50
Capacitance	pF/ ft	29
	pF/ m	95.2
Corona Extinction Voltage	VRMS @ 60 Hz	900.0
Voltage Withstanding	VRMS @ 60 Hz	2700.0
Higher Order Mode Frequency	GHz	109.0
Attenuation (Db / 100 Ft Typical)	0.5 GHz	30.2
	1.0 GHz	42.9
	5.0 GHz	98.3
	10.0 GHz	141.5
	18.0 GHz	193.6
	26.5 GHz	238.8
	40.0 GHz	299.6
	50.0 GHz	339.4
	65.0 GHz	393.6
	90.0 GHz	474.3
Power (Watts Cw @ 20 °C, Maximum)	0.5 GHz	73
	1.0 GHz	51.4
	5.0 GHz	22.6
	10.0 GHz	15.8
	18.0 GHz	11.6
	26.5 GHz	9.4
	40.0 GHz	7.6
	50.0 GHz	6.7
	66.0 GHz	5.8
	90.0 GHz	4.8

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