

RG047FL

SEMI RIGID AND CONFORMABLE 50 OHMS COAXIAL CABLE



PART NUMBER:	RG047FL
CATAGORY:	CONFORMABLE/SEMI-RIGID
DESCRIPTION:	CABLE
IMPEDANCE:	50 OHMS
DIELECTRIC:	TEFLON
OVERALL DIAMETER:	0.047"
CONDUCTOR DIAMETER:	0.0113"
INSULATION DIAMETER:	0.034"

DIMENSIONS

UNITS RG047FL

	UNITS	RG047FL
Outer Conductor Diameter	In	0.047 ± 0.003
	mm	1.194 ± 0.076
Center Conductor Diameter	In	0.0113
	mm	0.2870
length (maximum)	Feet	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
Operating Temperature (Max)	°C	200
Inside Bend Radius (Minimum)	In	0.100
	mm	2.540
Weight	lbs / 100ft	0.45
	kg / 100m	0.68

ELECTRICAL CHARACTERISTICS*

Characteristic Impedance	ohm	50
Capacitance	pF/ ft	29.0
	pF/ m	95.2
Corona Extinction Voltage	VRMS @ 60 Hz	900
Voltage Withstanding	VRMS @ 60 Hz	2700
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
	65.0 GHz	5.8
	90.0 GHz	4.8