


# RG047

## Semi Rigid and Conformable 50 Ohms Coaxial Cable

	PART NUMBER:	<b>RG047</b>
	CATAGORY:	SEMI-RIGID
	DESCRIPTION:	CABLE
	IMPEDANCE:	50 OHMS
	DIELECTRIC:	TEFLON
	OUTER CONDUCTOR:	COPPER
	CENTER CONDUCTOR:	SILVER PLATED COPPER WELD

### DIMENSIONS:

OUTER CONDUCTOR:	0.047" DIAMETER
DIELECTRIC:	0.037" DIAMETER
CENTER CONDUCTOR:	0.0113" DIAMETER

### MECHANICAL CHARACTERISTICS:

OPERATING TEMPERATURE RANGE:	-40 TO 100 C
MAXIMUM INSIDE BEND DIAMETER:	0.25"
MAXIMUM WEIGHT:	0.45 LBS/100FT
DIMENSION STABILITY:	
TEMPERATURE:	125 C
MAXIMUM DIMENSION:	0.015"
CENTER CONDUCTOR ADHESION:	2.0 LBS

### ELECTRICAL CHARACTERISTICS:

CAPACITANCE:	32.2 pF/FT
CORONA EXTINCTION VOLTAGE:	1000 VRMS @ 60 Hz
MAX OPERATING VOLTAGE:	2000 VRMS @ 60 Hz
MAXIMUM OPERATING FREQUENCY:	20.0 GHz

MAXIMUM ATTENUATION:	(dB/100ft)
A. 500 MHz:	28
B. 1 GHz:	40
C. 3 GHz:	70
D. 5 GHz:	90
E. 10 GHz:	130
F. 20 GHz:	190

MAXIMUM POWER:	(WATTS)
A. 500 MHz:	45
B. 1 GHz:	32
C. 3 GHz:	18
D. 5 GHz:	13
E. 10 GHz:	09
F. 20 GHz:	6.5