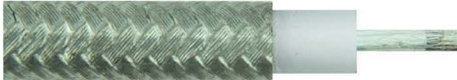


# RG401FL

## Semi Rigid and Conformable 50 Ohms Coaxial Cable



PART NUMBER:	<b>RG401FL</b>
CATAGORY:	SEMI-RIGID/FLEXIBLE
DESCRIPTION:	CABLE
IMPEDANCE:	50 OHMS
DIELECTRIC:	TEFLON
INSULATION DIAMETER:	0.210 IN.
OVERALL DIAMETER:	0.246 IN.

### CONDUCTOR:

AWG:	14
STRANDING:	SOLID
DIAMETER:	0.065 IN.
MATERIAL:	SILVER PLATED COPPER

### PHYSICAL & MECHANICAL CHARACTERISTICS:

OUTER SHIELD 1ST LAYER:	TAPE (COPPER FOIL)
OUTER SHIELD 2ND LAYER:	BRAID (TIN FOILED COMPOSITE)
OPERATING TEMPERATURE RANGE:	-70 TO +200 C
CABLE WEIGHT:	81 LBS/1000FT
MAXIMUM PULLING TENSION:	122 LBS.
INSTALL BEND RADIUS (MIN):	0.37 IN.
CONTINUOUS BEND RADIUS:	1.12 IN.

### ELECTRICAL CHARACTERISTICS:

INDUCTANCE:	0.070 MICROHENRY/FT
CAPACITANCE:	29.6 pF/FT
VELOCITY OF PROPAGATION:	69.5%
DELAY:	1.46 NS/FT
CONDUCTOR DC RESISTANCE:	2.5 OHMS/1000FT @ 20 DEGREES C
OUTER SHIELD DC RESISTANCE:	8 OHMS/1000FT @ 20 DEGREES C

#### MAXIMUM VSWR:

A. 400 MHz:	1.1
B. 1.8 GHz:	1.38
E. 20 GHz:	

#### MAXIMUM ATTENUATION:

	(dB/100FT)
A. 400 MHz:	3.8
B. 1.0 GHz:	6.8
C. 3.0 GHz:	13.4
D. 5.0 GHz:	18.5
E. 10 GHz:	28.4
F. 18.0 GHz:	41.0

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### **ELECTRICAL CHARACTERISTICS CONTINUED:**

NOMINAL POWER:	(WATTS)
A. 500 MHz:	1665
B. 1.0 GHz:	1105
C. 3.0 GHz:	577
D. 5.0 GHz:	427
E. 10 GHz:	283
F. 18 GHz:	200