

# RG405FL

## Semi Rigid and Conformable 50 Ohms Coaxial Cable



PART NUMBER:	<b>RG405FL</b>
CATAGORY:	SEMI-RIGID
DESCRIPTION:	CABLE
IMPEDANCE:	50 OHMS
DIELECTRIC:	TEFLON
INSULATION DIAMETER:	0.062 IN.
OVERALL NOMINAL DIAMETER:	0.085 IN.
OUTER SHIELD 1ST LAYER:	TAPE (COPPER FOIL)
OUTER SHIELD 2ND LAYER:	BRAID (TIN-FOILED COMPOSITE)

### DIMENSIONS:

AWG:	24
STRANDING:	SOLID
DIAMETER:	0.020 IN.
MATERIAL:	SPCCS (SILVER PLATED COPPER COVERED STEEL)

### MECHANICAL CHARACTERISTICS:

OPERATING TEMPERATURE RANGE:	-70 TO +200 DEGREES C
CABLE WEIGHT:	11.9 LBS/1000FT
MAXIMUM PULLING TENSION:	26 LBS
INSTALL BEND RADIUS:	0.12 IN.
CONTINUOUS BEND RADIUS:	0.37 IN.

### ELECTRICAL CHARACTERISTICS:

INDUCTANCE:	0.07 MICROHENRY/FT.
CAPACITANCE:	29.5 pF/FT
VELOCITY OF PROPAGATION:	69.5%
DELAY:	1.46 NS/FT
CONDUCTOR DC RESISTANCE:	64.2 OHMS/1000 FT. @ 20 DEGREES C
OUTER SHIELD DC RESISTANCE:	10.2 OHMS/1000 FT. @ 20 DEGREES C

#### MAXIMUM VSWR:

A. 500 MHz:	1.1:1
E. 20.0 GHz:	1.3:1

#### NOMINAL ATTENUATION: (dB/100FT)

A. 500 MHz:	13.0
B. 1.0 GHz:	19.4
C. 3.0 GHz:	36.4
D. 5.0 GHz:	48.7
E. 10 GHz:	72.6
F. 18.0 GHz:	101.7

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### **ELECTRICAL CHARACTERISTICS CONTINUED:**

MAXIMUM POWER:	(WATTS)
A. 500 MHz:	180
B. 1.0 GHz:	119
C. 3.0 GHz:	62
D. 5.0 GHz:	46
E. 10 GHz:	30
F. 18 GHz:	21