

# RG-6 3GHz 75 Ohm Coaxial Cable Catalog # 5729 Non-Plenum NEC/CEC: CM(UL) C(UL)

## CABLE CONSTRUCTION:

### CENTER CONDUCTOR:

18 AWG Solid Copper  
Nom. Diameter: 0.0403"

### DIELECTRIC:

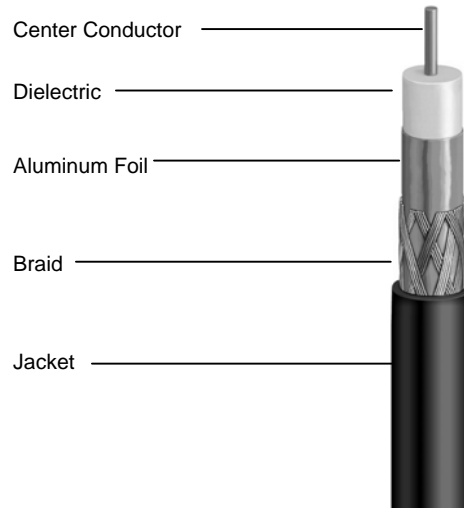
Foam Polyethylene  
Diameter over Dielectric: 0.180" Nom.

### SHIELD:

Foil: Aluminum/Poly Tape  
Braid: 34 AWG Aluminum  
60% Coverage  
Nom. Diameter 0.212"

### JACKET:

FR-PVC  
Diameter over Jacket: 0.272" +/- 0.008"  
Nominal Jacket Thickness: 0.030"  
Minimum Spot: 0.024"



## ELECTRICAL PROPERTIES:

### SPARKER TEST:

4000 VAC

### DIELECTRIC STRENGTH:

Conductor to Shield: 3000 VDC

### CAPACITANCE:

16.0 pF./FT. Nom.

### IMPEDANCE:

75.0 +/- 3.0 Ohms

### VELOCITY OF PROPAGATION:

82.0% Nom.

### DCR: Conductor:

6.4 Ohms/1000 Ft. Nom.

### Shield:

8.75 Ohms/1000 Ft. Nom.

### SRL:

20 dB (5 thru 300 MHz) 100% Swept Tested

15 dB (950 thru 3000 MHz) 100% Swept Tested

## MECHANICAL PROPERTIES:

### MINIMUM BEND RADIUS:

Loaded: 20 Times Cable OD

Unloaded: 10 Times Cable OD

### CABLE TEMP. RATING:

Temp: 75°C

## ATTENUATION:

dB/100 FT. (NOM.)	@ FREQUENCY MHz
0.25 dB	1 MHz
0.66 dB	10 MHz
1.41 dB	50 MHz
1.92 dB	100 MHz
2.64 dB	200 MHz
3.73 dB	400 MHz
5.05 dB	700 MHz
5.79 dB	900 MHz
6.11 dB	1000 MHz
6.73 dB	1200 MHz
7.49 dB	1450 MHz
8.43 dB	1800 MHz
9.35 dB	2200 MHz
9.97 dB	2500 MHz
10.92 dB	3000 MHz