

# RG-6 2200-MHz 75 Ohm Coaxial Cable Catalog # 5729 Non-Plenum NEC/CEC:CM(UL) C(UL) CMG

## CABLE CONSTRUCTION:

### CENTER CONDUCTOR:

18 AWG Solid Copper  
Nom. Diameter: 0.0403"

### DIELECTRIC:

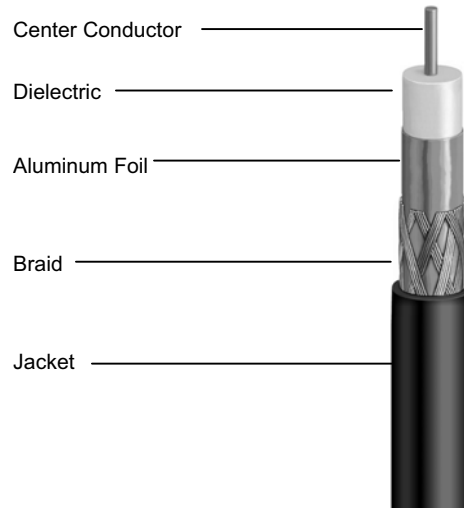
Foam Polyethylene  
Diameter over Dielectric: 0.180" Nom.

### 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:

15 dB (950 thru 2200 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        |

