

# RG-6 3GHz

## 75 Ohm Coaxial Cable

### Catalog # 5730V

#### NEC/CEC: CM, CMH or CATV

#### CABLE CONSTRUCTION:

- CENTER CONDUCTOR:**  
18 AWG Copper/Steel  
Nom. Dia: 0.0403"
- DIELECTRIC:**  
Foam Polyethylene  
Dia. over Dielectric: 0.180" Nom.
- SHIELD:**  
Foil: Aluminum/Poly Tape  
Braid: 34 AWG Aluminum  
60% Coverage  
Nom. Dia. 0.212"
- JACKET:**  
FR-PVC  
Dia. 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:** 16.2 pF./FT. Nom.
- IMPEDANCE:** 75.0 +/- 3.0 Ohms
- VELOCITY OF PROPAGATION:** 82.0% Nom.
- DCR:** Conductor: 28.6 Ohms/1000 Ft. Nom.  
Shield: 9.7 Ohms/1000 Ft. Nom.
- SRL:** 20 dB (950 thru 2200 MHz) 100% Swept Tested  
15 dB (2200 - 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
0.37 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