

# RG59 CATV

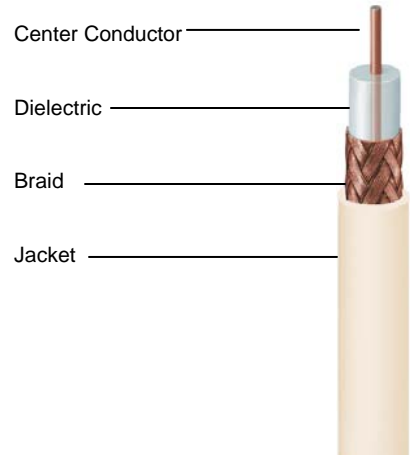
## 75 Ohm Coaxial Cable

### Catalog #2041K

### Plenum: CMP(UL)C(UL)

#### CABLE CONSTRUCTION:

- CENTER CONDUCTOR:**  
23 AWG Copper-Clad Steel  
Nom. Dia: .0226"
- DIELECTRIC:**  
Solid FEP  
Dia. over Dielectric: 0.135" Nom.
- SHIELD:**  
Braid: 36 AWG Copper  
93% Coverage  
Nom. Dia. 0.161"
- JACKET:**  
Kynar Flex  
Dia. over Jacket: 0.197" +/- 0.008"  
Nominal Jacket Thickness: 0.016"  
Minimum Spot: 0.012"



#### ELECTRICAL PROPERTIES:

- SPARKER TEST:** 2500 VAC
- DIELECTRIC STRENGTH:** Conductor to Shield: 2500 VDC
- CAPACITANCE:** 19.5 pF./Ft Nom
- IMPEDANCE:** 75.0 +/- 3.0 Ohms
- VELOCITY OF PROPAGATION:** 66.0%
- DCR:** Conductor: 47.0 Ohms/1000 Ft. Nom.  
Shield: 2.7 Ohms/1000 Ft. Nom.
- SRL:** 20dB (10 thru 300 MHz) 100% Swept Tested

#### MECHANICAL PROPERTIES:

- Cable Weight/kft: K = 32 lbs
- MINIMUM BEND RADIUS:**  
Loaded: 20 Times Cable OD  
Unloaded: 10 Times Cable OD
- CABLE TEMPERATURE RATING:**  
Temp: K = 125°C

#### ATTENUATION:

dB/100 FT. (NOM.)	@ FREQUENCY MHz
0.40 dB	1 MHz
1.04 dB	10 MHz
2.43 dB	50 MHz
3.55 dB	100 MHz
5.29 dB	200 MHz
8.05 dB	400 MHz
11.67 dB	700 MHz
13.89 dB	900 MHz
14.92 dB	1000 MHz

#### ADDITIONAL PROPERTIES:

- OVERALL WEIGHT:** .03736 lb/ft
- COMBUSTIBLE WEIGHT:** .00712 lb/ft Combustible  
.0129 lbs/ft Limited Combustible
- MAXIMUM PULLING TENSION:** 36 lbs
- MINIMUM BEND RADIUS and (TENSILE LOAD):**  
4.52" Unloaded (no tensile load)  
2.26" Loaded
- OPERATING TEMP:** -40°C to 125°C

**NOTE:** Cable Tested per SCTE, ASTM, and UL Standards

