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# RG-6 QUAD

## 75 Ohm Coaxial Cable

### Catalog #2227K and 2227V

#### Plenum: CMP(ETL)C(ETL)

#### CABLE CONSTRUCTION:

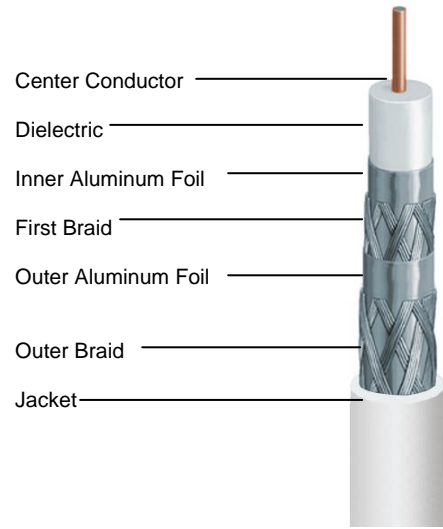
**CENTER CONDUCTOR:**  
 18 AWG Copper-Clad Steel  
 Nom. Diameter: 0.0403"

**DIELECTRIC:**  
 Foam FEP  
 Diameter over Dielectric: 0.170" Nom.

**INNER SHIELD:**  
 Foil: Aluminum/Poly Tape  
 Braid: 34 AWG Aluminum  
 60% Coverage  
 Nom. Diameter: 0.202"

**OUTER SHIELD:**  
 Foil: Aluminum/Poly Tape  
 Braid: 34 AWG Aluminum  
 40% Coverage  
 Nom. Diameter: 0.232"

**JACKET:**  
 Kynar Flex or Flame Retardant-PVC  
 Diameter over Jacket: 0.260" +/- 0.004"  
 Nominal Jacket Thickness: 0.016"  
 Minimum Spot: 0.013"



#### ELECTRICAL PROPERTIES:

**SPARKER TEST:** 2500 VAC

**DIELECTRIC STRENGTH:** Conductor to Shield: 2000 VDC

**CAPACITANCE:** 15.5 pF./Ft Nom

**IMPEDANCE:** 75.0 +/- 3.0 Ohms

**VELOCITY OF PROPAGATION:** 84.0%

**DCR:** Conductor: 28.6 Ohms/1000 Ft. Nom.  
 Shield: 5.30 Ohms/1000 Ft. Nom.

**SRL:** 20dB (5 thru 1000 MHz) 100% Swept Tested  
 15dB (1000 thru 3000 MHz) 100% Swept Tested

#### MECHANICAL PROPERTIES:

**Cable Weight/kft:** K = 30 lbs  
 V = 29 lbs

**MINIMUM BEND RADIUS:**  
 Loaded: 20 Times Cable OD  
 Unloaded: 10 Times Cable OD

**CABLE TEMPERATURE RATING:**  
 Temp: K = 125°C  
 Temp: V = 75°C

#### ATTENUATION:

dB/100 FT. (NOM.)	@ FREQUENCY MHz
0.38 dB	1 MHz
0.70 dB	10 MHz
1.48 dB	50 MHz
2.01 dB	100 MHz
2.86 dB	200 MHz
4.23 dB	400 MHz
5.96 dB	700 MHz
6.96 dB	900 MHz
7.45 dB	1000 MHz
8.25 dB	1200 MHz
9.34 dB	1450 MHz
10.69 dB	1800 MHz
11.54 dB	2200 MHz
13.07 dB	3000 MHz



Drawings not to Scale  
 Specifications subject to change  
 Revision: 02/27/08