

# RG-59

## 75 Ohm Coaxial Cable

### Catalog #2022K and 2022V

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

#### CABLE CONSTRUCTION:

##### CENTER CONDUCTOR:

20 AWG Copper/Steel  
 Nom. Diameter: 0.032"

##### DIELECTRIC:

Foam FEP  
 Diameter over Dielectric: 0.135" Nom.

##### INNER BRAID:

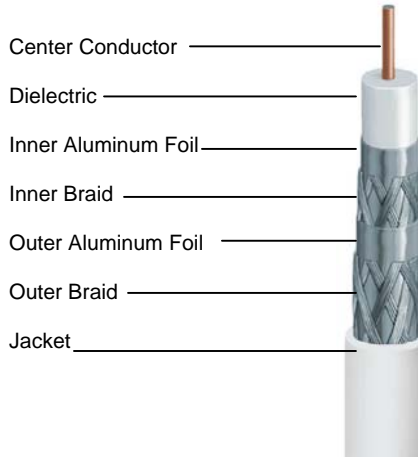
Foil: Aluminum Tape  
 Braid: 34 AWG Aluminum  
 65% Coverage  
 Nom. Diameter 0.170"

##### OUTER BRAID:

Foil: Aluminum Tape  
 Braid: 34 AWG Aluminum  
 45% Coverage  
 Nom. Diameter 0.203"

##### JACKET:

Kynar Flex or Plenum-PVC  
 Diameter over Jacket: 0.235" +/- 0.004"  
 Nominal Jacket Thickness: 0.015"  
 Minimum Spot: 0.012"



#### ELECTRICAL PROPERTIES:

SPARKER TEST:	2500 VAC
DIELECTRIC STRENGTH:	Conductor to Shield: 2500 VDC
CAPACITANCE:	16.0 pF./Ft. Nom.
IMPEDANCE:	75.0 +/- 3.0 Ohms
VELOCITY OF PROPAGATION:	84.0% Nom.
DCR: Conductor:	48.2 Ohms/1000 Ft. Nom.
Shield:	6.3 Ohms/1000 Ft. Nom.
SRL:	20dB (10 thru 300 MHz) 100% Sweep Tested

#### ATTENUATION:

dB/100 FT. (NOM.)	@ FREQUENCY MHz
0.48 dB	1 MHz
0.88 dB	10 MHz
1.85 dB	50 MHz
2.51 dB	100 MHz
3.58 dB	200 MHz
5.50 dB	400 MHz
7.45 dB	700 MHz
8.70 dB	900 MHz
9.31 dB	1000 MHz