

# RG59 / 2 - 18 AWG Security 75 Ohm Coaxial Cable Catalog #V5918 NEC/CEC: CM (ETL) C(ETL)

### CABLE CONSTRUCTION:

#### CENTER CONDUCTOR:

20 AWG Solid Copper (coax)  
 18 AWG (7 x 0.0152) BL (TP)

#### DIELECTRIC:

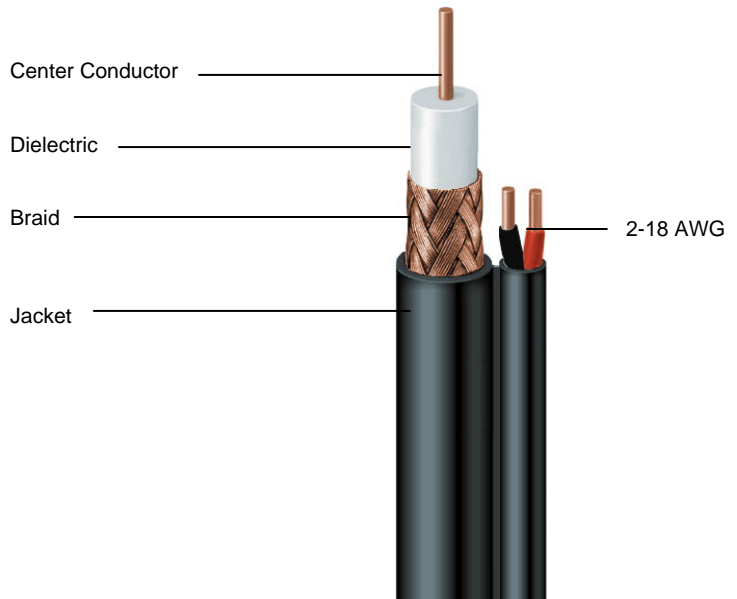
(coax) Foam Polyethylene  
 Dia. over Dielectric: 0.144" Nom.  
 (18 awg) Solid PE  
 Dia. over Insulation: 0.061" Nom.

#### SHIELD:

Braid: 36 AWG Bare Copper  
 Coverage 95 +/- 2%  
 Nom. Dia. 0.166"

#### JACKET:

FR PVC  
 Dia. over Jacket: 0.242" +/- 0.008" (coax)  
 Dia. over Jacket: 0.188" nom. (2-18 awg)  
 Nominal Jacket Thickness: 0.036"



### ELECTRICAL PROPERTIES:

SPARKER TEST:	2500 VDC
DIELECTRIC STRENGTH:	Conductor to Shield: 2500 VDC
CAPACITANCE:	16.7 pF./FT. Nom.
IMPEDANCE:	75.0 +/- 3.0 Ohms
VELOCITY OF PROPAGATION:	82.0% Nom.
DCR: (coax)	10.5 Ohms/1000 Ft. Nom.
(2-18)	6.8 Ohms/1000 Ft. Nom.
Shield	2.7 Ohms/1000 Ft. Nom.
SRL:	20dB (10 thru 300 MHz) 100% Swept Tested

### MECHANICAL PROPERTIES:

MINIMUM BEND RADIUS:  
 Loaded: 20 Times Cable OD  
 Unloaded: 10 Times Cable OD  
 CABLE TEMP. RATING:  
 Temp: 60°C

### ATTENUATION:

dB/100 FT. (NOM.)	@ FREQUENCY MHz
0.30 dB	1 MHz
0.84 dB	10 MHz
1.88 dB	50 MHz
2.71 dB	100 MHz
3.94 dB	200 MHz
5.85 dB	400 MHz
8.42 dB	700 MHz
9.83 dB	900 MHz
10.20 dB	1000 MHz