

RG59 CATV

75 Ohm Coaxial Cable

AND 2-18 AWG

Catalog #5554

NEC/CEC: CM (UL) C(UL)

CABLE CONSTRUCTION:

CENTER CONDUCTOR:

20 AWG Solid Copper (coax)
18 AWG (7 x 0.159) BC (TP)

DIELECTRIC:

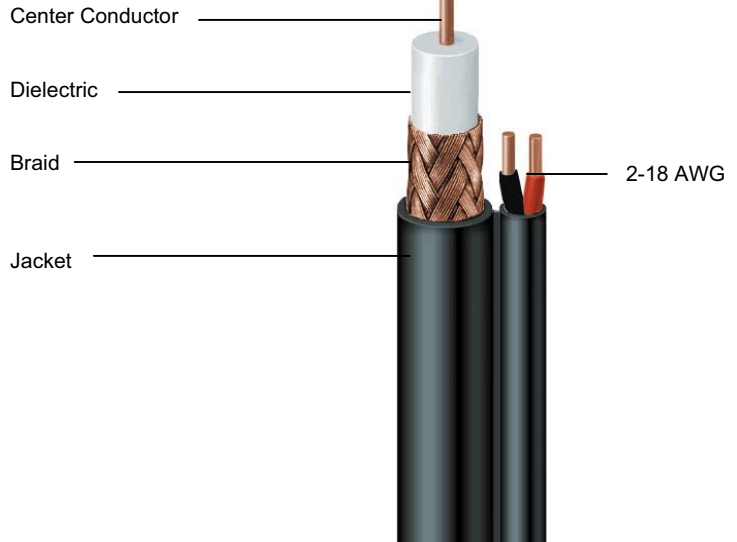
(coax) Foam Polyethylene
Dia. over Dielectric: 0.144" Nom.
(18 awg) Solid FR-PVC
Dia. over Insulation: 0.069" Nom.

SHIELD:

Braid: 34 AWG Bare Copper
95% Coverage
Nom. Dia. 0.175"

JACKET:

FR PVC
Dia. over Jacket: 0.242" +/- 0.008" (coax)
Dia. over Jacket: 0.202" nom. (2-18 awg)
Nominal Jacket Thickness: 0.034"
Minimum Spot: 0.022"



ELECTRICAL PROPERTIES:

SPARKER TEST:	4000 VAC
DIELECTRIC STRENGTH:	Conductor to Shield: 2000 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)	6.5 Ohms/1000 Ft.
Shield	2.7 Ohms/1000 Ft.
SRL:	20dB (10 thru 300 MHz) 100% Swept Tested

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

MECHANICAL PROPERTIES:

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

