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RG59

75 Ohm Coaxial Video Cable with 2-18 AWG and Messenger Catalog #5554 with Messenger NEC/CEC : CM (ETL)

CABLE CONSTRUCTION:

CENTER CONDUCTOR:

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

DIELECTRIC:

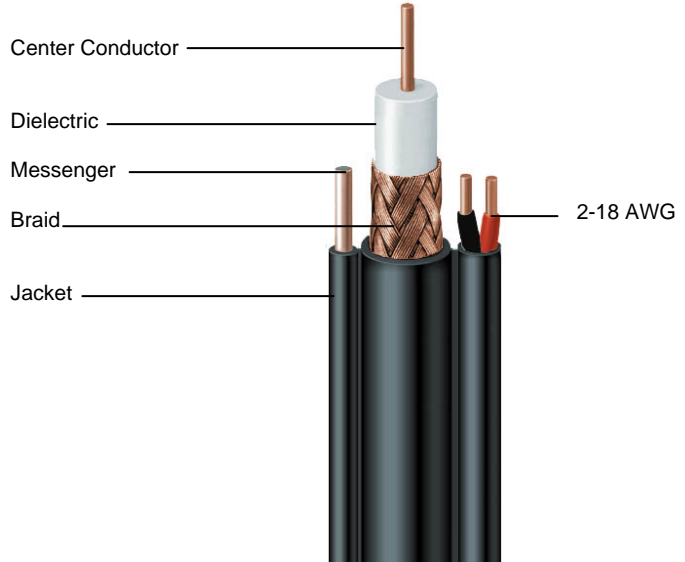
(coax) Foam Polyethylene
 Dia. over Dielectric: 0.144" Nom.
 (18 AWG) Solid PE
 Dia. over Insulation: 0.064" Nom.

SHIELD:

Braid: 36 AWG Bare Copper
 93% Coverage
 Nom. Dia. 0.168"

JACKET:

Flame Retardant PVC
 Dia. over Jacket: 0.242" +/- 0.008" (coax)
 Dia. over Jacket: 0.196" nom. (2-18 awg)
 Dia. over Jacket: 0.111" +/- 0.008" (Messenger)
 Messenger is 0.051" Solid Galvanized Steel
 Nominal Jacket Thickness: 0.037"
 Minimum Spot: 0.022"



ELECTRICAL PROPERTIES:

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

MECHANICAL PROPERTIES:

Cable Weight/kft: 66 lbs

RECOMMENDED MINIMUM BEND RADIUS:

Installation (Under Load): 20 Times Cable OD
 Fixed (Unloaded): 10 Times Cable OD

ENVIRONMENTAL PROPERTIES:

CABLE TEMPERATURE RATING: 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

