

# RG-58 TYPE

## 50 Ohm Coaxial Cable

### Catalog #3135

#### Non-Plenum: CM(UL)C(UL)CMH

#### CABLE CONSTRUCTION:

##### CENTER CONDUCTOR:

21 AWG (19X33) Stranded Tin/Copper  
 Nom. Dia: 0.0350"

##### DIELECTRIC:

Solid Polyethylene  
 Dia. over Dielectric: 0.116" Nom.

##### SHIELD:

Braid: 36 AWG Tin/Copper  
 95% Coverage  
 Nom. Dia. 0.140"

##### JACKET:

Black FRPVC  
 Dia. over Jacket: 0.195"  
 Nominal Jacket Thickness: 0.030"  
 Minimum Spot: 0.024"

Center Conductor

Dielectric

Braid

Jacket



#### ELECTRICAL PROPERTIES:

SPARKER TEST: 2000 VAC  
 DIELECTRIC STRENGTH: Conductor to Shield: 2500 VDC  
 CAPACITANCE: 30.5 pF./FT. Nom.  
 IMPEDANCE: 50.0 Ohms  
 VELOCITY OF PROPAGATION: 66.0% Nom.  
 DCR: Conductor: 10.0 Ohms/1000 Ft.  
       Shield: 4.10 Ohms/1000 Ft.  
 SRL: 15dB (10 thru 300 MHz) 100% Swept Tested

#### MECHANICAL PROPERTIES:

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

#### ATTENUATION:

dB/100 FT. (NOM.)	@ FREQUENCY MHz
0.64 dB	1 MHz
1.55 dB	10 MHz
4.54 dB	50 MHz
4.90 dB	100 MHz
9.09 dB	200 MHz
11.50 dB	400 MHz
17.00 dB	700 MHz
20.00 dB	900 MHz
21.50 dB	1000 MHz