

RG-59/2-18 AWG Part # VP5918 Plenum: CMP(ETL)C(ETL)

CABLE CONSTRUCTION:

COAX

CENTER CONDUCTOR:
20 AWG Solid Copper

DIELECTRIC:
Foam FEP
Diameter over Dielectric: 0.135" Nom.

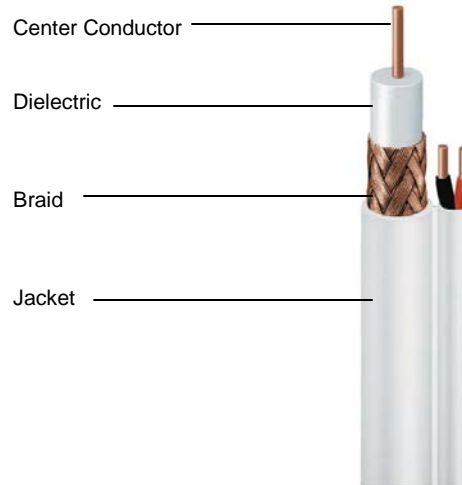
SHIELD:
Braid: 36 AWG Copper
93% Coverage
Nom. Diameter 0.161"

2-18

CENTER CONDUCTOR:
2-18 AWG Stranded Copper (7x.0152)

DIELECTRIC:
Solid FEP
Diameter over Dielectric: 0.060" Nom.

JACKET:
Plenum PVC
Diameter over Jacket (Coax): 0.190" +/- 0.006"
Nominal Jacket Thickness: 0.016"
Minimum Spot: 0.012"
Minimum Average: 0.013"
Diameter over Jacket (2-18): 0.150" Nom.



ELECTRICAL PROPERTIES:

SPARKER TEST: 2000 VAC
DIELECTRIC STRENGTH: Conductor to Shield: 2000 VDC [Wire to Wire: 1000 VDC]
CAPACITANCE: 16.0 pF./Ft Nom
IMPEDANCE: 75.0 +/- 3.0 Ohms
VELOCITY OF PROPAGATION: 84.0% Nom.
DCR: Conductor: 10.5 Ohms/1000 Ft. Nom. Coax
6.6 Ohms/1000 Ft. Nom. 18 AWG
SRL: 20dB (10 thru 350 MHz) 100% Swept Tested

MECHANICAL PROPERTIES:

Cable Weight/kft: 41 lbs
MINIMUM BEND RADIUS:
Loaded: 20 Times Cable OD
Unloaded: 10 Times Cable OD
CABLE TEMPERATURE RATING:
Temp: 60°C

ATTENUATION:

dB/100 FT. (NOM.)	@ FREQUENCY MHz
0.30 dB	1 MHz
0.86 dB	10 MHz
1.91 dB	50 MHz
2.78 dB	100 MHz
4.06 dB	200 MHz
6.01 dB	400 MHz
8.47 dB	700 MHz
9.82 dB	900 MHz
10.47 dB	1000 MHz