

## RG59/U COAXIAL CABLE + 2 CONDUCTOR 18 AWG STRANDED TYPE CMP/CL2P



### 1.0 SCOPE:

- 1.1 This cable consists of a 20 AWG solid bare copper center conductor; color coded foam FEP insulation; 95% copper clad aluminum braid AND 2 conductors 18 AWG stranded bare copper; color coded low smoke PVC insulation; overall low smoke PVC jacket.  
Type CMP/CL2P  
UL Standards 13 & 444  
NEC Articles 725 & 800  
UL 910 Plenum

### 2.0 CONSTRUCTION:

#### 2.1 RG59/U CENTER CONDUCTOR:

- 2.1.1 Material: Bare Copper
- 2.1.2 Size: 20 AWG
- 2.1.3 Construction: Solid

#### 2.2 DIELECTRIC:

- 2.2.1 Material: Foam FEP
- 2.2.2 Wall Thickness: .051" nom.
- 2.2.3 Color: Natural

#### 2.3 BRAID:

- 2.3.1 Material: Copper Clad Aluminum
- 2.3.2 Size: 36 AWG
- 2.3.3 Coverage: 95%

#### 2.4 OUTER JACKET:

- 2.4.1 Material: Low Smoke PVC
- 2.4.2 Wall Thickness: .022" nom.
- 2.4.3 O.D.: .200" nom.
- 2.4.4 Color: White

#### 2.5 2/C 18 AWG CONDUCTOR:

- 2.5.1 Material: Bare Copper
- 2.5.2 Size: 18 AWG
- 2.5.3 Construction: 7 Strand
- 2.5.4 2 conductors cabled together

### 2.6 INSULATION:

- 2.6.1 Material: Low Smoke PVC
- 2.6.2 Wall Thickness: .008" nom.
- 2.6.3 Color code: 1-Black  
2-Red

### 2.7 JACKET:

- 2.7.1 Material: Low Smoke PVC
- 2.7.2 Wall Thickness: .020" nom.
- 2.7.3 OD: .150" nom.
- 2.7.4 Color: White
- 2.7.5 Markings: PAIGE #74310118PL  
RG59/U 20 AWG 1/C + 18 AWG  
2/C TYPE CMP/CL2P (UL) E191596  
RoHS COMPLIANT (Ascending/  
Descending footage markers)

### 2.8 ELECTRICAL PROPERTIES

- 2.8.1 Temperature: -20°C to 75°C
- 2.8.2 Capacitance: 16.0 pF/ft. nom.
- 2.8.3 Impedance: 75 +/- 3 Ohms/M'
- 2.8.4 Velocity of Propagation: 84% nom.
- 2.8.5 DC Resistance: 10.5 Ohms/M' (Coax)  
DC Resistance: 6.6 Ohms/M' (18 AWG)

### 2.9 PUT-UPS:

- 2.9.1 500 ft. box