

**RG59/U COAXIAL CABLE +  
2 CONDUCTOR 18 AWG  
SIAMESE  
NON-PLENUM CCTV**  
Closed Circuit Television (CCTV) Cable



**1.0 SCOPE:**

- 1.1 This cable consists of two components: Component 1 (Signal): One RG59/U 20 AWG solid bare copper center conductor; foamed Polyethylene insulation; overall 95% bare copper braid AND Component 2 (Power/Pan, Tilt, Zoom): 2 conductors 18 AWG stranded bare copper; color-coded PVC insulation; overall white PVC jacket. Jacket material passes UL 720 hour weatherometer test for outdoor exposure and sunlight resistance. Type CMR/CL2R, UL Standards 13 & 444 NEC Articles 725 & 820, UL 1666 Riser

**2.0 CONSTRUCTION:**

**2.1 SIGNAL COMPONENT**

**RG59/U CENTER CONDUCTOR:**

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

**2.2 INSULATION:**

- 2.2.1 Material: Foamed Polyethylene  
2.2.2 Wall Thickness: .057" nom.  
2.2.3 OD: .145"  
2.2.4 Color code: White

**2.3 BRAID:**

- 2.3.1 Material: Bare Copper  
2.3.2 Strands: .005" nom.  
2.3.3 Coverage: 95%

**2.4 POWER/PAN, TILT, ZOOM (PTZ) COMPONENT  
2/C 18 AWG CONDUCTOR:**

- 2.4.1 Material: Bare Copper  
2.4.2 Size: 18 AWG  
2.4.3 Construction: 7 x 26 or 16/30

**2.5 INSULATION:**

- 2.5.1 Material: PVC  
2.5.2 Wall Thickness: .006" nom.  
2.5.3 OD: .058"  
2.5.4 Color code: 1-Black, 2-White

**2.6 JACKET: EACH COMPONENT**

- 2.6.1 Material: PVC  
2.6.2 Wall Thickness: Coax: .034" nom.  
18 AWG: .020" nom.  
2.6.3 Diameter: Coax: .245" nom.  
18 AWG: .156" nom.  
2.6.4 OD: .421" x .245" nom.  
2.6.5 Color: White  
2.6.6 Markings: PAIGE #8X5918S2B1 or #808050-A (Ascending/Descending footage markings) RG59/U 20 AWG 1/C 18 AWG 2/C (UL) TYPE CMR/CL2R SUNLIGHT RESISTANT E191596 Certified all pure copper 95% braid coverage.

**2.7 ELECTRICAL PROPERTIES:**

- 2.7.1 Temperature: -20°C to 75°C  
2.7.2 Voltage: 300 Volt  
2.7.3 Capacitance: 17 pF/Ft. nom.  
2.7.4 Impedance: 75 Ohms/M'  
2.7.5 Velocity of Propagation: N/R  
2.7.6 DC Resistance: 10.9 Ohms/M' @ 20°C  
2.7.7 Resistance (Shield): 2.6 Ohms/M' @ 20°C  
2.7.8 Max. Attenuation:
- |          |              |
|----------|--------------|
| 1 MHz    | 0.2 db/100'  |
| 400 MHz  | 5.9 db/100'  |
| 1000 MHz | 10.8 db/100' |

**2.8 PUT-UPS:**

- 2.8.1 1000' Box  
2.8.2 Weight: 45 lbs / 1000'

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