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LoVoltage^{spec} 454821

Electronic Wire and Cable

SECURITY CAMERA CABLE CLOSED CIRCUIT / CCTV



RG59/U MINI COAXIAL CABLE 300 VOLT UL TYPE CL2

INSULATION: FOAM POLYETHYLENE, JACKET: PVC, SIZE: 24 AWG

1.0 APPLICATION

1.1 This specification covers the requirements for mini coaxial cables used in short distance runs for video signals in a Closed Circuit Camera Surveillance System. This product is often used with devices made by **Phillips, Bosch, American Dynamics, Pelco** and others.

2.0 SCOPE

2.1 This specification covers the requirements for solid bare copper conductor; foam polyethylene insulation; 95% bare copper braid; overall PVC jacket; sunlight resistant. For CCTV video and surveillance systems. Type CL2, UL Standard 13, NEC Article 725, UL 1581.

3.0 CONSTRUCTION

3.1 RG59/U Center Conductor:

- 3.1.1 Material: Bare Copper
- 3.1.2 Size: 24 AWG
- 3.1.3 Construction: Solid

3.2 Insulation:

- 3.2.1 Material: Foamed Polyethylene
- 3.2.2 Wall Thickness: .034" nom.
- 3.2.3 Color code: White

3.3 Braid:

- 3.3.1 Material: Bare Copper
- 3.3.2 Strands: .005" nom.
- 3.3.3 Coverage: 95%

3.6 Jacket:

- 3.4.1 Material: PVC
- 3.4.2 Wall Thickness: .017" nom.
- 3.4.3 OD: .145" nom.
- 3.4.4 Color: Misc.
- 3.4.5 Markings: PAIGE LoVo#454821A RG59/U 24 AWG (UL) TYPE CL2 E191597 SUNLIGHT RESISTANT

3.7 Electrical Properties:

- 3.7.1 Temperature: -20°C to 75°C
- 3.7.2 Voltage: 300 Volt
- 3.7.3 Capacitance: 17.5 pF/Ft. nom.
- 3.7.4 Impedance: 75 Ohms/M'
- 3.7.5 DC Resistance: 26 Ohms/M' @ 20°C
- 3.7.6 Velocity of Propagation: N/R
- 3.7.7 Max. Attenuation:

1 MHz	0.5 dB/100'
400 MHz	9.4dB /100'
1000 MHz	15.6 dB /100'

4.0 PUT-UPS

- 3.8.1 1000' Reel
- 3.8.2 Weight: 15 lbs / 1000'

Part Number	Jacket Color	Part Number	Jacket Color
454821ABK	Black	454821ARE	Red
454821ABL	Blue	454821AYW	Yellow
454821AGN	Green		

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