



2012 CORPORATE LANE, SUITE 116 NAPERVILLE, IL 60563 TOLL FREE: 888-888-8045

Part #: AVLUTGN-44/05
Lutron System Specific

Description: Two element composite cable with an overall PVC jacket. Sensor cable for Lutron Grafik Eye Systems
(2C) 18 AWG 16 Strands BC PVC Insulated Unshielded
(1P) 22 AWG 7 Strands BC PE Insulated Shielded

Element 1: (Power/Control) 18 AWG 2C Unshielded

- 1. Conductor**
 - 1.1. AWG & Stranding: 18 AWG 16 Strands Class K
 - 1.2. Material: Annealed Bare Copper
 - 1.3. Conductor Count: 2 Conductors
- 2. Insulation**
 - 2.1. Material: Polyvinylchloride (PVC)
 - 2.2. Wall Thickness: 0.010"
 - 2.3. Color Code: Black & Red

Element 2: (Data) 22 AWG 1Pr Shielded

- 3. Conductor**
 - 3.1. AWG & Stranding: 22 AWG 7 Strands Class B
 - 3.2. Material: Annealed Bare Copper
 - 3.3. Conductor Count: 1 Pair
- 4. Insulation**
 - 4.1. Material: Polyethylene (PE)
 - 4.2. Wall Thickness: 0.013"
 - 4.3. Color Code: Violet & White
- 5. Assembly**
 - 5.1. Pair Lay Length: Cabled on Common-Axis with Element 2
 - 5.2. Pair Shield: Aluminum/Mylar Tape - 100% Coverage (Foil Facing Inside)
 - 5.3. Pair Drain Wire: 24AWG, 7/32 Strand Tinned Copper (Inside Foil)

Overall Cable Assembly for Element 1 & 2

- 6. Assembly - Elements 1 & 2**
 - 6.1. Cable Lay Length: 4.00" LHL Nominal

7. Jacket

- 7.1. Material: Polyvinylchloride (PVC)
- 7.2. Wall Thickness: 0.030"
- 7.3. Diameter: 0.213"
- 7.4. Color: Light Blue / Green Stripe
- 7.5. Ripcord: Nylon Ripcord
- 7.6. Weight: 33 lbs/Mft

8. Markings

- 8.1. Type: Cable shall be permanently identified via surface inkjet print
- 8.2. Legend: AVALANCHE,MFG FOR LUTRON GRAFIK EYE SYSTEMS 1PR 22AWG SHLD & 2/C
18AWG ROOM A B C D E 1 2 3 4 5 6 7 8 9 JACK 1 2 3 4 5 6 7 8 9 E171197 (UL) CM
C(UL)US OR (UL) CL3 "ROHS" (WORK ORDER #)
- 8.3. Footage Markers: Yes

9. Nominal Electrical Characteristics

- 9.1. Impedance: 22AWG: 77 Ω/MFT - 18AWG: 57.5 77 Ω/MFT
- 9.2. Capacitance: 22AWG: 17.6 pF/ft - 18AWG: 39.5 pF/ft
- 9.3. DC Resistance: 22AWG: 14.8 Ω/Mft @ 20°C - 18AWG: 6.48 Ω/Mft @ 20°C

10. Standards

- 10.1. Refer to NEC (NFPA 70) article 800 and article 720 for installation guidelines
- 10.2. UL listed as Type CL3 per UL Standard 13 or as type CM c(UL)us per UL Standard 444
- 10.3. All materials used in the manufacture of this cable are RoHS compliant
- 10.4. Recommended Operating Voltage: 300V
- 10.5. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION