



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

Part #: AVLUGRX4
Lutron System Specific

Description: Three element composite cable with an overall PVC jacket control cable for lutron 4000/7000 Grafik Eye Systems

(2C) 12 AWG stranded bare copper unshielded with PVC Insulation
(1C) 18 AWG stranded bare copper unshielded with PVC Insulation
(2C) 22 AWG stranded bare copper unshielded with PE Insulation

Element 1: (Power/Cable) 12 AWG 2 conductors Unshielded

1. Conductor

1.1. AWG & Stranding: 12 AWG, 19 Strands (Class C)
1.2. Material: Annealed Bare Copper
1.3. Conductor Count: 2 Conductors

2. Insulation

2.1. Material: Polyvinylchloride (PVC)
2.2. Wall Thickness: 0.012"
2.3. Color Code: Black, Red

Element 2: (Control) 18 AWG 1 Conductor Unshielded

3. Conductor

3.1. AWG & Stranding: 18 AWG, 7 Strands (Class B)
3.2. Material: Annealed Bare Copper
3.3. Conductor Count: 1 Conductor

4. Insulation

4.1. Material: Polyvinylchloride (PVC)
4.2. Wall Thickness: 0.010"
4.3. Color Code: Orange

Element 3: (Data/Communications) 22 AWG 1 Shielded Pair

5. Conductor

5.1. AWG & Stranding: 22 AWG, 7 Strands (Class B)
5.2. Material: Annealed Bare Copper
5.3. Conductor Count: 2 Conductors

6. Insulation

- 6.1. Material: Polyethylene
- 6.2. Wall Thickness: 0.010"
- 6.3. Color Code: White, Violet

7. Assembly

- 7.1. Pair Lay Length: Cabled on Common-Axis with Elements 1 & 2 (See Section 9.1. For Lay Length)
- 7.2. Pair Drain Wire: 24 AWG, 7 Strand Tinned Copper (Inside Foil Shield)
- 7.3. Pair Shield: Aluminum/Mylar Tape - 100% coverage (Foil Facing Inside)

8. Nominal Electrical Characteristics for Element 3

- 8.1. Impedance: 61.5 Ω
- 8.2. Capacitance: 24.8 pF/ft
- 8.3. DC Resistance: 14.8 Ω /Mft @ 20°C

Overall Cable Assembly

9. Assembly - Elements 1 - 3

- 9.1. Cable Lay Length: 4.00" LHL Nominal

10. Jacket

- 10.1. Material: Polyvinylchloride (PVC)
- 10.2. Wall Thickness: 0.035"
- 10.3. Diameter: 0.293"
- 10.4. Color: Light Blue with Blue Stripe
- 10.5. Ripcord: Yes
- 10.6. Weight: 86 Lbs/Mft

11. Markings

- 11.1. Type: Cable shall be permanently identified via surface inkjet print
- 11.2. Legend: AVALANCHE, MFG FOR LUTRON GRAFIK EYE SYSTEMS 4000/7000 EXTENDED DISTANCE CABLE 12AWG 2C 18AWG 1C 22AWG 1PR SHIELDED E171202 (UL) CMR OR (UL) CL3R 75°C SUN RES "ROHS" FT-4
- 11.3. Footage Markers: Yes

12. Standards

- 12.1. Refer to NEC (NFPA 70) article 800 and article 720 for installation guidelines
- 12.2. UL listed as Type CL3R per UL Standard 13 or as type CMR c(UL)us 75°C per UL Standard 444
- 12.3. All materials used in the manufacture of this cable are RoHS compliant
- 12.4. Recommended Operating Voltage: 300V
- 12.5. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION