



---

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

**Part #: AVLUTGCC4P**  
**Lutron System Specific**

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

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

**Element 1: (Power/Control) 12 AWG 2 Conductors Unshielded**

- 1. Conductor**
  - 1.1. AWG & Stranding: 12 AWG 19 Strands
  - 1.2. Material: Annealed Bare Copper Class C
  - 1.3. Conductor Count: 2 Conductors
- 2. Insulation**
  - 2.1. Material: Plenum Rated Polyvinylchloride
  - 2.2. Wall Thickness: 0.010"
  - 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
- 4. Insulation**
  - 4.1. Material: Plenum Rated Polyvinylchloride
  - 4.2. Wall Thickness: 0.008"
  - 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: Fluorinated Ethylene Propylene (FEP)
  - 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 to Reduce Cable Diameter
  - 7.2. Pair Shield: Aluminum/Mylar Tape - 100% Coverage
  - 7.3. Pair Drain Wire: 24 AWG, 7 Strand Tinned Copper

**8. Nominal Electrical Characteristics for Element 3**

- 8.1. Impedance: 62  $\Omega \pm 5$
- 8.2. Capacitance: 24 pF/ft  $\pm 10\%$
- 8.3. DC Resistance: 14.8  $\Omega$ /Mft @ 20°C

**Overall Cable Assembly**

**9. Assembly - Elements 1 thru 3**

- 9.1. Cable Lay Length: 6.00" LHL Nominal (2 Tw/Ft)

**10. Jacket**

- 10.1. Material: Plenum Rated Polyvinylchloride
- 10.2. Wall Thickness: 0.015"
- 10.3. Diameter: 0.242"
- 10.4. Color: Natural w/Blue Stripe
- 10.5. Ripcord: Yes
- 10.6. Weight: 74 Lbs/Mft

**11. Markings**

- 11.1. Type: Cable permanently identified via surface inkjet print
- 11.2. Legend: AVALANCHE,MFG FOR LUTRON GRAFIK EYE SYSTEMS 4000/7000 EXTENDED DISTANCE CABLE SPEC 2C 12AWG,1PR 22AWG, 1C 18AWG E171202 (UL) CL3P 75°C "ROHS" FT-6
- 11.3. Footage Markers: Yes

**12. Standards**

- 12.1. Refer to NEC (NFPA 70) article 725 for installation guidelines
- 12.2. UL listed as type CL3P per UL standard 13
- 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***