

Specification Sheet

#AVLUTGCC4P

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 twisted shielded pair with FEP 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: Plenum Rated Polyvinylchloride (PVC)
- 2.2. Wall Thickness: 0.010"
- 2.3. Colour 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: Plenum Rated Polyvinylchloride (PVC)
- 4.2. Wall Thickness: 0.008"
- 4.3. Colour Code: Orange

Element 3: (Data/Communications) 22 AWG 1 Twisted 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
- 6.2. Wall Thickness: 0.010"
- 6.3. Colour Code: White, Violet

7. Assembly

- 7.1. Pair Lay Length: 1.5" LHL (8.0 tw/ft)
- 7.2. Pair Shield: Aluminum/Mylar Tape – 100% Coverage
- 7.3. Drain Wire: 24 AWG, 7 Strand Tinned Copper

8. Nominal Electrical Characteristics for Element 3

- 8.1. Impedance: 62 Ω +/- 5
- 8.2. Capacitance: 24 pF/ft
- 8.3. DC Resistance: 14.8 Ω /Mft @ 20°C



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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 (PVC)
10.2. Wall Thickness: 0.015"
10.3. Diameter: 0.242"
10.4. Colour: Natural w/Blue Stripe
10.5. Ripcord: Yes
10.6. Weight: 74 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
SPEC 2C 12 AWG, 1PR 22 AWG, 1C 18AWG (UL) CL3P 75°C "ROHS" FT-6
11.3. Footage Markers: Yes

12. Standards

12.1. Cable suitable for installations under NEC (NFPA 70) article 725 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. Maximum Operating Voltage: 300V
12.5. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION

