



9837 Pioneer Blvd.  
Santa Fe Springs, CA 90670  
Ph: 562-463-9160 Fax: 562-463-9170  
www.allstarcable.com

# Specification Sheet

Part# LUT-RBL-PVC

**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)

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Company



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### 8. Nominal Electrical Characteristics for Element 3

- 8.1. Impedance: 61.5  $\Omega$
- 8.2. Capacitance: 24.8 pF/ft
- 8.3. DC Resistance: 14.8  $\Omega$ /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**