

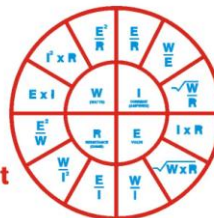


industrial electronics, inc.

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1353 Mookaula Street  
Honolulu, HI 96817



# Specification Sheet

Part# LUT-YEL-PVC

**Description:** Two element composite cable, 2 conductors 18 AWG unshielded PVC insulation, 2 conductors 22 AWG shielded, with PE insulation, with stranded bare copper, and an overall PVC jacket. Sensor cable for Lutron Eco Systems

## Element 1: 18 AWG, 2 Conductors Unshielded, Insulated with PVC

### 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
- 2.2. Wall Thickness: 0.010"
- 2.3. Color Code: Black, Red

### 3. Nominal Electrical Characteristics

- 3.1. Impedance: 57.5 77 Ω/MFT
- 3.2. Capacitance: 39.5 pF/ft
- 3.3. DC Resistance: 6.48 Ω/Mft @ 20°C

## Element 2: 22 AWG, 1 Pair Shielded, Insulated with PE

### 4. Conductor

- 4.1. AWG & Stranding: 22 AWG 7 Strands Class B
- 4.2. Material: Annealed Bare Copper
- 4.3. Conductor Count: 1 Pair

### 5. Insulation

- 5.1. Material: Polyethylene
- 5.2. Wall Thickness: 0.013"
- 5.3. Color Code: Violet, White

### 6. Assembly

- 6.1. Pair Lay Length: Per UL Standard
- 6.2. Pair Shield: Aluminum/Mylar Tape - 100% Coverage (Foil Facing Inside)
- 6.3. Pair Drain Wire: 24AWG, 7 Strand Tinned Copper (Inside Foil)

### 7. Nominal Electrical Characteristics

- 7.1. Impedance: 77 Ω/MFT
- 7.2. Capacitance: 17.6 pF/ft
- 7.3. DC Resistance: 14.8 Ω/Mft @ 20°C

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

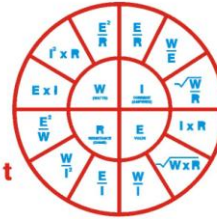


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## Overall Assembly

### 8. Assembly Elements 1 and 2

8.1. Cable Lay Length: 4.00" LHL (3 Tw/Ft)

### 9. Jacket

9.1. Material: Polyvinylchloride  
9.2. Wall Thickness: 0.030"  
9.3. Diameter: 0.213"  
9.4. Color: Light Blue / Yellow Stripe  
9.5. Ripcord: Yes  
9.6. Weight: 33 Lbs/Mft

### 10. Markings

10.1. Type: Cable permanently identified via surface inkjet print  
1.1. Legend: AVALANCHE, MFG FOR LUTRON KEYPAD OR 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 #)  
10.2. Footage markers: Yes

### 11. Standards

11.1. Refer to NEC (NFPA 70) article 800 for installation guidelines  
11.2. UL listed as Type CL3 per UL Standard 13 or as type CM c(UL)us 75°C per UL Standard 444  
11.3. All materials used in the manufacture of this cable are RoHS compliant  
11.4. Recommended Operating Voltage: 300V  
11.5. Made in the USA

**ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION**