

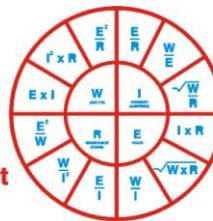


industrial electronics, inc.

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Fax (808) 841-0960

1353 Mookaala Street  
Honolulu, HI 96817



# Specification Sheet

Part# LUT-RED-PVC

**Description:** Three element composite cable, 2 conductors 16 AWG unshielded, 4 conductors 18 AWG shielded and 1 conductor 18 AWG unshielded, constructed with stranded bare copper, PVC insulation and an overall PVC jacket for data / communications and controls applications (UL) listed CL3 or CM c(UL)us , -20°C to 75°C operating temperature.

**Element 1: (Power/Control) 16 AWG, 2 Conductors Unshielded, Insulated with Polyvinylchloride**

### 1. Conductor

- 1.1. AWG & Stranding: 16 AWG, 26 Strands of 30AWG
- 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: Red, Red/White

**Element 2: (Data/Communications) 18 AWG, Shielded Quad, Insulated with Foam PE**

### 3. Conductor

- 3.1. AWG & Stranding: 18 AWG, 16 Strands of 30AWG
- 3.2. Material: Annealed Bare Copper
- 3.3. Conductor Count: 4 Conductors

### 4. Insulation

- 4.1. Material: Foamed Polyethylene (FPE)
- 4.2. Wall Thickness: 0.010"
- 4.3. Color Code: Violet, Yellow, Gray, Blue

### 5. Assembly

- 5.1. Quad Lay Length: Per UL Standard
- 5.2. Quad Shield: Aluminum/Mylar Tape - 100% Coverage
- 5.3. Quad Drain Wire: 22 AWG, 7 Strands of .0096" Tinned Copper

### 6. Nominal Electrical Characteristics

- 6.1. Impedance: 60.4 Ω
- 6.2. Capacitance: 21.2 pF/ft. +/-10%
- 6.3. DC Resistance: 6.48 Ω/Mft. @ 20°C

**Element 3: (Ground) 18 AWG, 1 Conductor Unshielded, Insulated with Polyvinylchloride**

### 7. Conductor

- 7.1. AWG & Stranding: 18 AWG, 16 Strands of 30AWG
- 7.2. Material: Annealed Bare Copper
- 7.3. Conductor Count: 1 Conductor
- 7.4.

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

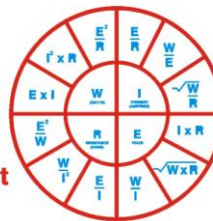


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### 8. Insulation

- 8.1. Material: Polyvinylchloride (PVC)
- 8.2. Wall Thickness: 0.010"
- 8.3. Color Code: Green/Yellow

### Overall Cable:

### 9. Assembly - Elements 1, 2 & 3

- 9.1. Cable Lay Length: 4.00" LHL Nominal
- 9.2. Cable Fillers: Available upon request
- 9.3. Ripcord: Yes

### 10. Jacket

- 10.1. Material: Polyvinylchloride (PVC)
- 10.2. Wall Thickness: 0.045"
- 10.3. Diameter: 0.350"
- 10.4. Color: Light Blue / Red Stripe
- 10.5. Weight: 83 lbs./Mft.
- 10.6. Rip Cord: Yes

### 11. Markings

- 11.1. Type: Cable shall be permanently identified via surface inkjet print
- 11.2. Legend: "AVALANCHE,MFG FOR LUTRON SIVOIA SYSTEMS" A B C D E F 0 1 2 3 4 5 6 7 8 9  
E171197 18AWG 1C 16AWG 2C 18AWG 4C SHIELDED (UL) CM C(UL)US OR (UL)  
CL3 75'C (WORK ORDER#) "ROHS"
- 11.3. Footage Markers: Ascending/Descending Footage Markers

### 12. Standards

- 12.1. Refer to NEC (NFPA 70) article 800 and article 720 for installation guidelines
- 12.2. UL listed as Type CM per UL standard 444 or CL3 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**