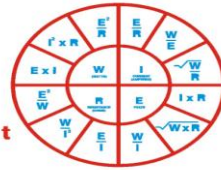




industrial electronics, inc.

Phone (808) 847-4300
Fax (808) 841-0960

1353 Mookaula Street
Honolulu, HI 96817



Specification Sheet

Part# LUT-GRN-PLEN

Description: Two element composite cable with an overall plenum rated PVC jacket. Sensor cable for Lutron Grafik Eye Systems
(2C) 18 AWG 16 Strands BC Plenum rated PVC Insulated Unshielded
(1P) 22 AWG 7 Strands BC FEP Insulated Shielded

Element 1: (Power/Control) 18 AWG 2C Unshielded

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: Plenum Rated Polyvinylchloride
 - 2.2. Wall Thickness: 0.010"
 - 2.3. Color Code: Black & Red

Element 2: (Data) 22 AWG 1Pr Shielded

3. **Conductor**
 - 3.1. AWG & Stranding: 22 AWG 7 Strands Class B
 - 3.2. Material: Annealed Bare Copper
 - 3.3. Conductor Count: 1 Pair
4. **Insulation**
 - 4.1. Material: Fluorinated Ethylene Propylene
 - 4.2. Wall Thickness: 0.011"
 - 4.3. Color Code: Violet & White
5. **Assembly**
 - 5.1. Pair Lay Length: Cabled on Common-Axis with Element 2
 - 5.2. Pair Shield: Aluminum/Mylar Tape - 100% Coverage (Foil Facing Inside)
 - 5.3. Pair Drain Wire: 24AWG, 7/32 Strand Tinned Copper (Inside Foil)

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

Overall Cable Assembly for Element 1 & 2

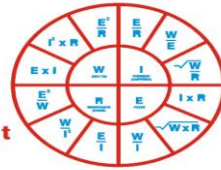
6. **Assembly - Elements 1 & 2**
 - 6.1. Cable Lay Length: 2.75" LHL (4.3 tw/ft)
7. **Jacket**
 - 7.1. Material: Plenum Rated Polyvinylchloride
 - 7.2. Wall Thickness: 0.017"
 - 7.3. Diameter: 0.213"
 - 7.4. Color: Light Blue / Green Stripe
 - 7.5. Ripcord: Nylon Ripcord
 - 7.6. Weight: 33 lbs/Mft



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8. Markings

- 8.1. Type: Cable shall be permanently identified via surface inkjet print
- 8.2. Legend: AVALANCHE, MFG FOR LUTRON GRAFIK EYE SYSTEMS 1PR 22AWG SHLD & 1PR 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) CMP C(UL)US OR (UL) CL3P 75°C FT-6 "ROHS" (WORK ORDER #)
- 8.3. Footage Markers: Yes

9. Nominal Electrical Characteristics

- 9.1. Impedance: 22AWG: 67 Ω - 18AWG: 57.5 77 Ω
- 9.2. Capacitance: 22AWG: 22.3 pF/ft - 18AWG: 39.5 pF/ft
- 9.3. DC Resistance: 22AWG: 14.8 Ω /Mft @ 20°C - 18AWG: 6.48 Ω /Mft @ 20°C

10. Standards

- 10.1. Refer to NEC (NFPA 70) article 800 and article 720 for installation guidelines
- 10.2. UL listed as Type CL3P per UL Standard 13 or as type CMP c(UL)us 75°C FT-6 per UL Standard 444
- 10.3. All materials used in the manufacture of this cable are RoHS compliant
- 10.4. Recommended Operating Voltage: 300V
- 10.5. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION