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2012 CORPORATE LANE, SUITE 116 NAPERVILLE, IL 60563 TOLL FREE: 888-888-8045

**Part #: AVPLUTYL-44/04**  
**Lutron System Specific**

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

**Element 1:** 18 AWG, 2 Conductors Unshielded, Insulated with LSPVC

**1. Conductor**

- 1.1. AWG & Stranding: 18 AWG 7 Strands Class B
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 2 Conductors

**2. Insulation**

- 2.1. Material: Plenum rated Polyvinylchloride
- 2.2. Wall Thickness: 0.007"
- 2.3. Color Code: Black, Red

**Element 2:** 22 AWG, 2 Conductors Shielded, Insulated with FEP

**3. Conductor**

- 3.1. AWG & Stranding: 22 AWG 7 Strands Class B
- 3.2. Material: Annealed Bare Copper
- 3.3. Conductor Count: 2 Conductors

**4. Insulation**

- 4.1. Material: Fluorinated Ethylene Propylene
- 4.2. Wall Thickness: 0.010"
- 4.3. Color Code: Violet, White

**5. Assembly**

- 5.1. Pair Lay Length: Per UL Standard
- 5.2. Pair Shield: Aluminum/Mylar Tape - 100% Coverage
- 5.3. Pair Drain Wire: 24AWG, 7 Strand Tinned Copper

**6. Nominal Electrical Characteristics (22AWG PAIR)**

- 6.1. Impedance: 62.9  $\Omega$
- 6.2. Capacitance: 23.7 pF/ft. +/-10%
- 6.3. DC Resistance: 14.8  $\Omega$ /Mft. @ 20° C

## Overall Assembly

### 7. Assembly Elements 1 and 2

7.1. Cable Lay Length: 2.00" LHL (6 Tw/Ft)

### 8. Jacket

8.1. Material: Polyvinylchloride  
8.2. Wall Thickness: 0.015"  
8.3. Diameter: 0.164"  
8.4. Color: Light Blue / Yellow Stripe  
8.5. Ripcord: Yes  
8.6. Weight: 28 Lbs/Mft

### 9. Markings

9.1. Type: Cable permanently identified via surface inkjet print  
9.2. Legend: AVALANCHE, MFG FOR LUTRON KEYPAD OR GRAFIK EYE SYSTEMSROOM A B C D  
E 1 2 3 4 5 6 7 8 9 E171197 2C 18AWG 1PR 22AWG SHLD DATA (UL) CMP  
C(UL)US OR (UL) CL3P FT6 75'C (WORK ORDER #) "ROHS"  
9.3. Footage markers: Yes

### 10. Standards

10.1. Refer to NEC (NFPA 70) article 800 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**