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

**Part #: AVPLUTRD-44/02**  
**Lutron System Specific**

**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, SGPVC insulation and an overall SGPVC jacket data / communications and controls applications manufactured in the USA and (UL) listed CL3P or CMP c(UL)us 75°C.

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

**1. Conductor**

- 1.1. AWG & Stranding: 16 AWG, 26 Strands
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 2 Conductors

**2. Insulation**

- 2.1. Material: Polyvinylchloride (SGPVC)
- 2.2. Wall Thickness: 0.010"
- 2.3. Color Code: Red, Red/White

**3. Assembly**

- 3.1. Pair Lay Length: 1.975" LHL, Nominal
- 3.2. Pair Shield: N/A
- 3.3. Pair Drain Wire: N/A
- 3.4. Pair Binder: N/A

**Element 2: (Data/Communications) 18 AWG, Shielded Quad, Insulated with Plenum Rated FEP (25PF/FT)**

**4. Conductor**

- 4.1. AWG & Stranding: 18 AWG, 16 Strands
- 4.2. Material: Annealed Bare Copper
- 4.3. Conductor Count: 4 Conductors

**5. Insulation**

- 5.1. Material: Cellular FEP
- 5.2. Wall Thickness: 0.008"
- 5.3. Color Code: Violet, Yellow, Gray, Blue

**6. Assembly**

- 6.1. Quad Lay Length: 2.25” LHL, Nominal
- 6.2. Quad Shield: Aluminum/Mylar Tape - 100% Coverage
- 6.3. Quad Drain Wire: 22 AWG, 7 Strand Tinned Copper
- 6.4. Quad Binder: N/A

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

**7. Conductor**

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

**8. Insulation**

- 8.1. Material: Polyvinylchloride (SGPVC)
- 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: 6.00” LHL, Nominal
- 9.2. Cable Fillers: Available upon request

**10. Jacket**

- 10.1. Material: Plenum Rated Polyvinylchloride (SGPVC)
- 10.2. Wall Thickness: 0.018”
- 10.3. Diameter: 0.266”
- 10.4. Color: Light Blue / Red Stripe
- 10.5. Weight: 66 lbs./Mft.
- 10.6. Ripcord: 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 O 1 2  
3 4 5 6 7 8 9 E171197 18AWG 1C 16AWG 2C 18AWG 4C SHIELDED  
(UL) CMP C(UL)US OR (UL) CL3P 75’C FT-6 “ROHS”
- 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 CMP per UL standard 444 or CL3P 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**