



Specification Sheet

Lake Cable Part #: AVPLUQSHM-98

Description: Two element composite cable with an overall Plenum Rated PVC jacket. For Lutron Lighting/Shade Control applications

- 16 AWG 2C 19 Strands BC FEP Insulated Unshielded
- 22 AWG 1P 7 Strands BC FEP Insulated Shielded

Element 1: (Power/Control) 16 AWG 2C 19 Strands BC FEP Insulated Unshielded

- Conductor**
 - 1.1. AWG & Stranding: 16 AWG 19 Strands Class C
 - 1.2. Material: Annealed Bare Copper
 - 1.3. Conductor Count: 2 Conductors
- Insulation**
 - 2.1. Material: Fluorinated Ethylene Propylene
 - 2.2. Wall Thickness: 0.011"
 - 2.3. Color Code: Black, Red
- Electricals**
 - 3.1. Impedance: 83.7 Ω +/--10%
 - 3.2. Capacitance: 17.8 pF/ft. +/--10%
 - 3.3. DC Resistance: 4.15 Ω /Mft Max @ 20°C

Element 2: (Data) 22 AWG 1P 7 Strands BC FEP Insulated Shielded

- Conductor**
 - 4.1. AWG & Stranding: 22 AWG 7 Strands Class B
 - 4.2. Material: Annealed Bare Copper
 - 4.3. Conductor Count: 2 Conductors
- Insulation**
 - 5.1. Material: Fluorinated Ethylene Propylene
 - 5.2. Wall Thickness: 0.015"
 - 5.3. Color Code: Violet & White
- Assembly**
 - 6.1. Cable Lay Length: Cabled in a Common-Axis with Element 1
 - 6.2. Cable Drain Wire: 22 AWG 7 Strand Tinned Copper (Drain Inside Foil Shield)
 - 6.3. Cable Shield: Aluminum/Mylar Tape - 100% coverage (Foil Facing Inside)
- Electricals**
 - 7.1. Impedance: 78.8 Ω +/--10%
 - 7.2. Capacitance: 18.9 pF/ft. +/--10%
 - 7.3. DC Resistance: 4.15 Ω /Mft Max @ 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

Date



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Overall Assembly for Elements 1& 2

8. Assembly

8.1. Cable Lay Length: 3.25" LHL (3.69 tw/ft), Nominal

9. Jacket

9.1. Material: Plenum Rated Polyvinylchloride
9.2. Wall Thickness: 0.017"
9.3. Diameter: 0.239"
9.4. Color: Natural
9.5. Ripcord: Yes
9.6. Weight: 41 Lbs/Mft

10. Markings

10.1. Type: Cable permanently identified via surface black inkjet print
10.2. Legend: AVALANCHE™ MFG FOR LUTRON QSH SYSTEMS E171202 16AWG 2C + 22AWG 1PR SHIELDED 75°C (UL) CL3P OR C(UL)US CMP FT-6 "ROHS II" MADE IN USA
10.3. Footage Markers: Yes

11. Standards

11.1. Cable suitable for installations under NEC (NFPA 70) article 725 and article 800 guidelines
11.2. UL listed as Type CL3P per UL Standard 13 or as type CMP c(UL)us per UL Standard 444
11.3. All materials used in the manufacture of this cable are RoHS II & REACH compliant
11.4. Maximum Operating Voltage: 300V RMS
11.5. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION