



Specification Sheet

Lake Cable Part #: P182CS

Description: 18 AWG 2 conductors 7 strands bare copper wire, plenum rated PVC insulation, an aluminum/mylar tape shield with a stranded tinned copper drain wire and an overall plenum rated PVC jacket

1. Conductor

- 1.1. AWG Size & 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

3. Cable Assembly

- 3.1. Nominal Lay Length: 3.00" LHL (4.0 tw/ft)
- 3.2. Shield: Aluminum/Mylar Tape - 100% Coverage
- 3.3. Drain Wire: 24 AWG 7 Strands Tinned Copper

4. Jacket

- 4.1. Material: Plenum Rated Polyvinylchloride
- 4.2. Wall Thickness: 0.015"
- 4.3. Diameter: 0.151"
- 4.4. Color: Natural
- 4.5. Ripcord: Yes
- 4.6. Weight: 20 Lbs/Mft

5. Markings

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Print Legend: LAKE CABLE E171197 18AWG 2C (UL) CMP C(UL)US OR (UL) CL3P OR (UL) FPLP
75°C FT-6 "ROHS II" MADE IN USA
- 5.3. Footage Markers: Yes

6. Nominal Electrical Characteristics

- 6.1. Impedance: 33 Ω
- 6.2. Mutual Capacitance: 57 pF/ft
- 6.3. Capacitance w/Shield: 103 pF/ft
- 6.4. Conductor DCR: 6.6 Ω/Mft @ 20°C
- 6.5. Outer Shield DCR: 24.54 Ω/Mft @ 20°C
- 6.6. Inductance: 0.063 μH/ft
- 6.7. Operating Voltage: 300V RMS Maximum
- 6.8. Current: 10 AMPS Maximum

7. Standards

- 7.1. Cable suitable for installation under NEC (NFPA 70) article 725, 760 and article 800 guidelines
- 7.2. UL listed as CMP c(UL)us per UL standard 444, CL3P per UL standard 13 & FPLP per UL standard 1424
- 7.3. All materials used in the manufacturing of this cable are RoHS II & REACH compliant
- 7.4. Made in the USA

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

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION