



Specification Sheet

Lake Cable Part #: V182PRST/X-02

Description: 18 AWG 2 pairs 7 strand tinned copper with polyvinylchloride and nylon insulation, an aluminum/mylar shield with a stranded tinned copper drain wire with an overall PVC jacket 600V control tray cable, approved for use in SUN RES DIR BUR 90° C applications.

1. Conductor

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

2. Insulation

- 2.1. Material: Polyvinylchloride & Nylon
- 2.2. Wall Thickness: 0.015" PVC & 0.005" Nylon
- 2.3. Color Code: Black x Red, Blue x White

3. Assembly

- 3.1. Pair Lay Length: 2.50" LHL
- 3.2. Cable Lay Length: 5.00" LHL
- 3.3. Cable Binder: N/A
- 3.4. Cable Shield: Aluminum/Mylar Tape - 100% coverage
- 3.5. Cable Drain Wire: 18 AWG 7 Strand Tinned Copper

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.045"
- 4.3. Diameter: 0.379" ± 0.030"
- 4.4. Color: Red
- 4.5. Ripcord: Yes
- 4.6. Cold Bend Rating: -40° C
- 4.7. Weight: 69 lbs./Mft.

5. Markings

- 5.1. Type: Cable shall be permanently identified via surface inkjet print
- 5.2. Legend: LAKE CABLE E208309 18AWG 2PR SHIELDED (UL) TC-ER PVC/NYLON 600V 90° C DRY/WET PVC JACKET SUN RES DIR BUR FT4 "ROHS COMPLIANT" MADE IN USA
- 5.3. Footage Markers: Yes

6. Electricals

- 6.1. Impedance: 81.50 Ω
- 6.2. Capacitance: 21.26 pF/ft
- 6.3. DC Resistance: 7.06 Ω/1000ft Max @ 20° C

7. Standards

- 7.1. Refer to NEC (NFPA 70) article 336 for installation guidelines
- 7.2. Cable is suitable for use in Class I Division 2 hazardous locations
- 7.3. UL listed as Type TC-ER per UL Standard 1277 for tray cables
- 7.4. UL approved for Direct Burial and Sunlight Resistant applications
- 7.5. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
- 7.6. Meets ICEA S-73-532, where applicable
- 7.7. Cable is RoHS III compliant per Directive 2015/863/EU
- 7.8. Cable is REACH compliant per Regulation (EC) No 1907/2006 Updated June, 27 2018
- 7.9. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION

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