



# Specification Sheet

## Lake Cable Part #: V182PRST/X

**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: Black
- 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.

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Signature

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Company

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Date