



# Specification Sheet

## Lake Cable Part #: VCT144ST/FL/X

**Description:** 14 AWG 4 conductor 7 strand tinned copper with PVC/Nylon insulation, an aluminum/mylar shield with a stranded tinned copper drain wire and an overall CPE jacket 600V control tray cable, approved for use in SUN RES DIR BUR OIL RES I & II 90°C applications.

### 1. Conductor

- 1.1. AWG Size & Stranding: 14 AWG 7 Strands Class B
- 1.2. Material: Annealed Tinned Copper
- 1.3. Conductor Count: 4 Conductors

### 2. Insulation

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

### 3. Assembly

- 3.1. Lay Length: 4.50" LHL
- 3.2. Fillers: Non-Hygroscopic Polypropylene - as required for a circular cross-section
- 3.3. Binder: N/A
- 3.4. Shield: Aluminum/Mylar Tape - 100% coverage
- 3.5. Drain Wire: 18 AWG 7 Strand Tinned Copper

### 4. Jacket

- 4.1. Material: Chlorinated Polyethylene
- 4.2. Wall Thickness: 0.045"
- 4.3. Diameter: 0.368" +/- 0.030"
- 4.4. Color: Black
- 4.5. Ripcord: Yes
- 4.6. Cold Bend Rating: -25°C
- 4.7. Weight: 109 lbs./Mft.

### 5. Markings

- 5.1. Type: Cable shall be permanently identified via surface inkjet print
- 5.2. Legend: LAKE CABLE E208309 14AWG 4C SHIELDED (UL) TC-ER THWN-2/VW-1 600V 90°C DRY/WET PVC JACKET SUN RES DIR BUR OIL RES I & II OR CIC-TC C(UL) 14AWG 4C SHIELDED PVC/N 600V FT1 FT4 90°C DRY 75°C WET "ROHS COMPLIANT" MADE IN USA
- 5.3. Footage Markers: Yes

### 6. Standards

- 6.1. Refer to NEC (NFPA 70) article 336 for installation guidelines
- 6.2. Cable is suitable for use in Class I Division 2 hazardous locations
- 6.3. UL listed as Type TC-ER per UL Standard 1277 for tray cables
- 6.4. UL approved for Direct Burial, Sunlight and Oil I & II Resistant applications
- 6.5. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
- 6.6. Listed as Type CIC-TC per CSA Standard 22.2 No. 239-17 for instrumentation and control cable
- 6.7. Meets ICEA S-73-532, where applicable
- 6.8. Cable is RoHS III compliant per Directive 2015/863/EU
- 6.9. Cable is REACH compliant per Regulation (EC) No 1907/2006 Updated July, 7 2017
- 6.10. 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.

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Signature

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Company

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Date

**ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION**