



# Specification Sheet

## Lake Cable Part #: V145S

**Description:** 14 AWG 5 conductor 7 strand bare 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: 14 AWG 7 Strands Class B
  - 1.2. Material: Annealed Bare Copper
  - 1.3. Conductor Count: 5 Conductors
2. **Insulation**
  - 2.1. Material: Polyvinylchloride & Nylon
  - 2.2. Wall Thickness: 0.015" PVC & 0.005" Nylon
  - 2.3. Color Code: Method 1, Table E-2
3. **Assembly**
  - 3.1. Fillers: N/A
  - 3.2. Binder: N/A
  - 3.3. Shield: Aluminum/Mylar Tape - 100% coverage
  - 3.4. Drain Wire: 18 AWG 7 Strand Tinned Copper
4. **Jacket**
  - 4.1. Material: Polyvinylchloride
  - 4.2. Wall Thickness: 0.045"
  - 4.3. Diameter: 0.397" ± 0.035"
  - 4.4. Color: Black
  - 4.5. Ripcord: Yes
  - 4.6. Cold Bend Rating: -40°C
  - 4.7. Weight: 122 lbs./Mft.
5. **Markings**
  - 5.1. Type: Cable shall be permanently identified via surface inkjet print
  - 5.2. Legend: LAKE CABLE E208309 14AWG 5C SHIELDED (UL) TC-ER THWN-2/VW-1 600V 90C DRY/WET PVC JACKET SUN RES DIR BUR FT4 "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. Individual conductors pass UL VW-1 flame test, rated THWN-2/VW-1
  - 6.4. UL listed as Type TC-ER per UL Standard 1277 for tray cables
  - 6.5. UL approved for Direct Burial and Sunlight Resistant applications
  - 6.6. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
  - 6.7. Meets ICEA S-73-532, where applicable
  - 6.8. Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive, RoHS 3 2015/863/EU Directive
  - 6.9. Cable is REACH compliant per Regulation (EC) No 1907/2006 (219) Updated July 8, 2021
  - 6.10. Made in the USA
  - 6.11. **⚠️ WARNING:** This product may contain chemicals, such as Vinyl Chloride, known to the state of California to cause birth defects or other reproductive harm. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov). Wash hands after handling

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

**ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION. LAKE CABLE IS NOT RESPONSIBLE FOR UNKNOWN PERFORMANCE ATTRIBUTES THAT WERE NOT MADE KNOWN TO LAKE CABLE AT THE TIME OF DESIGN.**