



# Specification Sheet

## Lake Cable Part #: SVW1250S/M4-AP

**Description:** 12 AWG 50 conductor 7 strand bare copper with polyvinylchloride 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: 12 AWG 7 Strands Class B
  - 1.2. Material: Annealed Bare Copper
  - 1.3. Conductor Count: 50 Conductors
2. **Insulation**
  - 2.1. Material: Polyvinylchloride
  - 2.2. Wall Thickness: 0.030"
  - 2.3. Color Code: Black & numbered
3. **Assembly**
  - 3.1. Fillers: N/A
  - 3.2. Binder: Clear Mylar
  - 3.3. Drain Wire: 16 AWG 7 Strand Tinned Copper
  - 3.4. Shield: Aluminum/Mylar Tape - 100% coverage
4. **Jacket**
  - 4.1. Material: Polyvinylchloride
  - 4.2. Wall Thickness: 0.080"
  - 4.3. Diameter: 1.382" +/- 0.110"
  - 4.4. Color: Black
  - 4.5. Ripcord: Yes
  - 4.6. Cold Bend Rating: -55°C
  - 4.7. Weight: 1669 lbs./Mft.
5. **Markings\***
  - 5.1. Type: Cable shall be permanently identified via surface inkjet print
  - 5.2. Legend: AutomatedPower (601) 936-4900 P/N. 1401107 E208309 12AWG 50C SHIELDED (UL) TC THHW/VW-1 600V 90C DRY 75C WET PVC JACKET SUN RES DIR BUR OIL RES I & II FT4 "ROHS COMPLIANT" MADE IN USA SIEMENS P/N P3RW67332301
  - 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 THHW/VW-1
  - 6.4. UL listed as Type TC per UL Standard 1277 for tray cables
  - 6.5. UL approved for Direct Burial, Sunlight, and Oil I & II 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 (235) Updated June 14, 2023
  - 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.

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Signature

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Company

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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.**

**\*Client expressly indemnifies Lake Cable, LLC for any liabilities relating in any way to Lake Cable's placement of markings on the product, when such markings are specified for such placement by the client.**