



# Specification Sheet

## Lake Cable Part #: V1450S/M4-AP

**Description:** 14 AWG 50 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: 50 Conductors

### 2. Insulation

- 2.1. Material: Polyvinylchloride & Nylon
- 2.2. Wall Thickness: 0.015" PVC & 0.005" Nylon
- 2.3. Color Code: Black & numbered

### 3. Assembly

- 3.1. Lay Length: 14.00" LHL
- 3.2. Fillers: N/A
- 3.3. Binder: Clear Mylar
- 3.4. Shield: Aluminum/Mylar Tape - 100% coverage
- 3.5. Drain Wire: 18 AWG 7 Strand Tinned Copper

### 4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.080"
- 4.3. Diameter: 1.093"
- 4.4. Color: Black
- 4.5. Ripcord: Yes
- 4.6. Cold Bend Rating: -40°C
- 4.7. Weight: 1037 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. 1259829 E208309 14AWG 50C SHIELDED (UL) TC-ER THWN-2/VW-1 600V 90°C DRY/WET PVC JACKET SUN RES DIR BUR FT4 "ROHS" MADE IN USA Siemens P/N P3RW67323
- 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. All materials used in the manufacture of this cable are RoHS compliant
- 6.9. Made in the USA

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

**\*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.**

**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