



Specification Sheet

Lake Cable Part #: VXH142ST/M1

Description: 14 AWG 2 conductor 7 strand tinned copper with XLPE insulation, an aluminum/mylar shield with a stranded tinned copper drain wire and an overall LSZH jacket 600V tray cable, approved for use in SUN RES DIR BUR ST1 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: 2 Conductors

2. Insulation

- 2.1. Material: Cross-linked Polyethylene
- 2.2. Wall Thickness: 0.030"
- 2.3. Color Code: Method 1, Table E-1

3. Assembly

- 3.1. Fillers: N/A
- 3.2. Binder: N/A
- 3.3. Shield: Aluminum/Mylar Tape - 100% coverage
- 3.4. Drain Wire: 16 AWG 7 Strand Tinned Copper

4. Jacket


- 4.1. Material: Low Smoke FR Zero Halogen Polyolefin (LSFR-OHPO)
- 4.2. Wall Thickness: 0.045"
- 4.3. Diameter: 0.362" ± 0.030"
- 4.4. Color: Black
- 4.5. Ripcord: Yes
- 4.6. Weight: 79 lbs./Mft.

5. Markings

- 5.1. Type: Cable shall be permanently identified via surface inkjet print
- 5.2. Legend: LAKE CABLE E208309 14AWG 2C SHIELDED (UL) TC-ST1 XHHW-2 600V 90C DRY/WET LSZH JACKET SUN RES DIR BUR "ROHS COMPLIANT" IEEE 1202 FT4 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-ST1 per UL Standard 1277 for tray cables
- 6.4. UL approved for Direct Burial, Sunlight Resistant & Low Smoke applications
- 6.5. Cable meets IEEE 383 & UL 1581 70,000 BTU/HR flame test requirements
- 6.6. Meets ICEA S-73-532, where applicable
- 6.7. Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive, RoHS 3 2015/863/EU Directive
- 6.8. Cable is REACH compliant per Regulation (EC) No 1907/2006 (240) Updated January 23, 2024
- 6.9. Made in the USA

- 6.10.  **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. Wash hands after handling

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.

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