



# Specification Sheet

## Lake Cable Part #: SVW144(41)/BRD/M4-ER-CE

**Description:** 14 AWG 4 conductor 41 strand bare copper with PVC/Nylon insulation, a tinned copper braid shield and an overall PVC jacket 600V control tray cable, approved for use in SUN RES DIR BUR 90° C applications. Also approved for WTTC 1KV and C(UL) CIC-TC applications.

### 1. Conductor

- 1.1. AWG Size & Stranding: 14 AWG 41 Strands Class K
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 4 Conductors

### 2. Insulation

- 2.1. Material: Polyvinylchloride & Nylon
- 2.2. Wall Thickness: 0.017" PVC & 0.005" Nylon
- 2.3. Color Code: Black & numbered
- 2.4. Diameter: 0.116" ± 0.002"

### 3. Assembly

- 3.1. Cable Lay Length: 3.75" RHL (3.2 tw/ft)
- 3.2. Fillers: None
- 3.3. Cable Binder: Clear Mylar - 100% Coverage
- 3.4. Braid Shield: 36 AWG Tinned Copper - 85% Minimum Coverage
- 3.5. Binder: Tissue Wrap - 100% Coverage

### 4. Jacket

- 4.1. Material: Pressured Extruded Thermoplastic Elastomer
- 4.2. Convolution Level: 2
- 4.3. Wall Thickness: 0.045"
- 4.4. Diameter: 0.398" ± 0.015"
- 4.5. Color: Matte Black
- 4.6. Ripcord: No
- 4.7. Cold Bend Rating: -40° C
- 4.8. Weight: 124 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 TPE JACKET SUN RES DIR BUR OR WTTC 1KV OR CIC-TC C(UL) 14AWG 4C PVC/N SHIELDED 600V FT1 FT4 90° C DRY 75° C WET SR © MADE IN USA
- 5.3. Footage Markers: Yes

### 6. Electricals

- 6.1. Impedance: 52.20 Ω
- 6.2. Mutual Capacitance: 32.44 pF/ft
- 6.3. Max DC Resistance: 9.25 Ω/km @ 20° C

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



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### 7. Standards

- 7.1. Cable suitable for installation under NEC (NFPA 70) article 336 for installation guidelines
- 7.2. Cable is suitable for use in Class I Division 2 hazardous locations
- 7.3. UL listed as Type TC-ER per UL Standard 1277 for tray cables
- 7.4. UL approved for Direct Burial and Sunlight Resistant applications
- 7.5. UL listed as Type WTTC per UL Standard 2277 for wind turbine tray cables
- 7.6. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR requirements
- 7.7. Listed as Type CIC-TC per CSA Standard 22.2 No. 239-17 & 230-09
- 7.8. In compliance with the Low Voltage Directive 2006/95/EC
- 7.9. Designed to be in compliance 2014/30/EU, however not tested to
- 7.10. Product is marked CE in accordance with EC Declaration of Conformity
- 7.11. Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive & RoHS 3 2015/863/EU Directive
- 7.12. Cable is REACH compliant per Regulation (EC) No 1907/2006 Updated June, 27 2018
- 7.13. Made in the USA
- 7.14.  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

**ALL SPECIFIED PARAMETERS WITHOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION**

