



# Specification Sheet

## Lake Cable Part #: SVT183S(16)-PLT/X-ER

**Description:** 18 AWG 3 conductors 16 strands bare copper wire with PVC/Nylon insulation, shielded and an overall PVC jacket.

- 1. Conductor**
  - 1.1. AWG Size & Stranding: 18 AWG 16 Strands Class K
  - 1.2. Material: Annealed Bare Copper
  - 1.3. Conductor Count: 3 Conductors
- 2. Insulation**
  - 2.1. Material: PVC/ Nylon
  - 2.2. Wall Thickness: 0.016" PVC & 0.005" Nylon
  - 2.3. Diameter: 0.078"/ 0.088" ± 0.002"
  - 2.4. Color Code: Black #1, Brown #2, Red #3 (Alphanumeric Print)
- 3. Cable Assembly**
  - 3.1. Lay Length: 2.25" LHL, Nominal
  - 3.2. Filler: FR Fibrillated PP - As Needed for Roundness
  - 3.3. Binder: Clear Mylar Tape - 100% Coverage
  - 3.4. Shield: Aluminum/Mylar Tape - 100% Coverage Foil in
  - 3.5. Drain Wire: 18 AWG 16 Strands Tinned Copper
- 4. Jacket**
  - 4.1. Material: Pressure Extruded PVC
  - 4.2. Wall Thickness: 0.050"
  - 4.3. Diameter: 0.294" ± .015"
  - 4.4. Color: Black
  - 4.5. Ripcord: N/A
  - 4.6. Cold Bend Rating: -40°C
  - 4.7. Weight: 63 lbs./Mft.
- 5. Markings**
  - 5.1. Type: Cable permanently identified via surface inkjet print
  - 5.2. Legend: LAKE CABLE E208309 18AWG 3C SHIELDED (UL) TC-ER 90C DRY/WET 600V SUN RES OIL RES I & II OR MTW OR PLTC 105C OR CSA LL226471 AWM I/II A/B 105C 600V FT4 "ROHS COMPLIANT" MADE IN USA
  - 5.3. Footage Markers: N/A
- 6. Standards**
  - 6.1. Refer to NEC (NFPA 70) article 336 for installation guidelines
  - 6.2. UL listed as Type TC-ER per UL Standard 1277, type MTW per UL Standard 1063, type PLTC per UL Standard 13
  - 6.3. CSA recognized component AWM I/II A/B per CSA Standard C22.2 No. 210-15
  - 6.4. Product is marked CE in accordance with EC Declaration of Conformity
  - 6.5. Cable is suitable for use in Class I Division 2 hazardous locations
  - 6.6. Operating Temperature: -40C to 105C
  - 6.7. Operating Voltage: 600V RMS
  - 6.8. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
  - 6.9. Cable meets RoHS 2002/95/EC Directive, RoHS 2 2011/65/EU Directive, RoHS 3 2015/863/EU Directive
  - 6.10. Cable is REACH compliant per Regulation (EC) No 1907/2006 (233) Updated January 17, 2023
  - 6.11. Made in the USA
  - 6.12. **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.**