



# Specification Sheet

## Lake Cable Part #: SVT1812S(16)-PLT/X-ER

**Description:** 18 AWG 12 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: 12 Conductors

**2. Insulation**

- 2.1. Material: PVC/ Nylon
- 2.2. Wall Thickness: 0.016" PVC & 0.005" Nylon
- 2.3. Color Code: Black #1, Brown #2, Red #3, Orange #4, Yellow #5, Green #6, Blue #7, Purple #8, Gray #9, White #10, White/Black #11, White/Brown #12 (Alphanumeric Print)

**3. Cable Assembly**

- 3.1. Lay Length: 4.25" LHL, Nominal
- 3.2. Binder: Clear Mylar Tape - 100% Coverage
- 3.3. Shield: Aluminum/Mylar Tape - 100% Coverage
- 3.4. 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: 0.470" ± .020"
- 4.4. Color: Black
- 4.5. Ripcord: N/A
- 4.6. Cold Bend Rating: -40° C
- 4.7. Weight: 155 lbs./Mft.

**5. Markings**

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Legend: LAKE CABLE E208309 18AWG 12C 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 (197) Updated January 15, 2019
- 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

**ALL SPECIFIED PARAMETERS WITHTOUT A TOLERANCE ARE NOMINAL AND SUBJECT TO VERIFICATION**

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