



Specification Sheet

Lake Cable Part #: SVT85(168)-IEW

Description: 8 AWG 5 conductor 168 strand bare copper with PVC/Nylon insulation, unshielded with an overall PVC jacket 600V control tray cable or shipboard cable, approved for use in SUN RES DIR BUR OIL RES I 90°C applications

- 1. Conductor**
 - 1.1. AWG Size & Stranding: 8 AWG 168 Strands Class B
 - 1.2. Material: Annealed Bare Copper
 - 1.3. Conductor Count: 5 Conductors
- 2. Insulation**
 - 2.1. Material: PVC/Nylon
 - 2.2. Wall Thickness: 0.030" PVC /0.006" Nylon
 - 2.3. Color Code: Black 1-ONE, Black 2-TWO, Black 3-Three, Light Blue, Green/Yellow
- 3. Assembly**
 - 3.1. Lay Length: Per UL Standard 1277
 - 3.2. Separator: Tissue
- 4. Jacket**
 - 4.1. Material: Pressure Extruded Polyvinylchloride
 - 4.2. Wall Thickness: 0.060"
 - 4.3. Diameter: 0.780"
 - 4.4. Color: Black
 - 4.5. Ripcord: N/A
 - 4.6. Cold Bend Rating: -40°C
 - 4.7. Weight: 469 Lb./Mft
- 5. Markings**
 - 5.1. Type: Cable permanently identified via surface inkjet print
 - 5.2. Legend: LAKE CABLE E208309 8AWG 5C (UL) TC-ER THWN-2 600V 90°C DRY/WET PVC JACKET SUN RES DIR BUR OIL RES I & II OR (UL) WTTTC 1KV OR (UL) MTW OR C(UL) CIC PVC/N 90C DRY 75C WET 600V FT1 FT4 SR "ROHS II" REACH MADE IN USA
 - 5.3. Footage Markers: Yes
- 6. Nominal Electrical Characteristics**
 - 6.1. DC Resistance: 0.66 Ω/Mft @ 20°C
 - 6.2. Ampacity: 44 AMPS @ 20°C
- 7. Standards**
 - 7.1. Cable suitable for installation under NEC (NFPA 70) article 336, article 501.10 (B) guidelines
 - 7.2. Cable is suitable for use in Class I Division II hazardous locations
 - 7.3. Individual conductors pass UL VW-1 flame test
 - 7.4. UL listed as Type TC-ER per UL Standard 1277 for tray cables, MTW per UL Standard 1063 and WTTTC per UL Standard 2277, C(UL) listed as CIC per CSA Standard C22.2 No. 239-09
 - 7.5. UL approved for Direct Burial, Sunlight and Oil I & II Resistant applications
 - 7.6. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
 - 7.7. Meets ICEA S-73-532, where applicable
 - 7.8. All materials used in the manufacture of this cable are RoHS II & REACH compliant
 - 7.9. Made in the USA

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

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION