



Specification Sheet

Lake Cable Part #: SV188SPOS/X-BLD

Description: 18 AWG 8 pairs 7 strand bare copper with PVC/NYLON insulation, aluminum/mylar shields with stranded tinned copper drain wires and an overall PVC jacket 600V tray cable, approved for use in SUN RES DIR BUR 90° C applications.

1. Conductor

- 1.1. AWG Size & Stranding: 18 AWG 7 Strands Class B
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 8 Pairs

2. Insulation

- 2.1. Material: Polyvinylchloride & Nylon
- 2.2. Wall Thickness: 0.015" PVC & 0.005" Nylon
- 2.3. Color Code: Black x Gray, Black x Red, Black x Orange, Black x Yellow, Black x Green, Black x Blue, Black x Brown, Black x White

3. Assembly

- 3.1. Pair Lay: 3.00"
- 3.2. Pair Binder: Clear Mylar
- 3.3. Pair Drain Wire: 20 AWG 7 Strand Tinned Copper
- 3.4. Pair Shield: Foil Free Edged Aluminum/Mylar Tape - 100% coverage
- 3.5. Cable Lay: 9.50"
- 3.6. Cable Fillers: N/A
- 3.7. Cable Binder: N/A
- 3.8. Cable Shield: Aluminum/Mylar Tape - 100% coverage
- 3.9. Cable Drain Wire: 18 AWG 7 Strand Tinned Copper

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.060"
- 4.3. Diameter: 0.624" +/- 0.050"
- 4.4. Color: Black
- 4.5. Ripcord: Yes
- 4.6. Cold Bend Rating: -40° C
- 4.7. Weight: 239 lbs./Mft.

5. Markings

- 5.1. Type: Cable shall be permanently identified via surface inkjet print
- 5.2. Legend: LAKE CABLE E208309 18AWG 8PR SPOS (UL) TC-ER PVC/NYLON 600V 90C DRY/WET PVC JACKET SUN RES DIR BUR FT4 "ROHS COMPLIANT" 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-ER per UL Standard 1277 for tray cables
- 6.4. UL approved for Direct Burial and Sunlight Resistant applications
- 6.5. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR 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 (235) Updated June 14, 2023
- 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

LINCOLN ELECTRIC
Company

01/24/2024
Date