



Specification Sheet

Lake Cable Part #: STN188SBRDER-CIC

Description: 18 AWG 8 conductors 16 strands tinned copper wire, PVC/Nylon insulation, shielded, with an overall PVC jacket. (UL) PLTC-ER or ITC-ER 105°C SUN RES FT-4 or CIC C(UL) 90°C Dry 75°C Wet

1. Conductor

- 1.1. AWG Size & Stranding: 18 AWG 16 Strands Class C
- 1.2. Material: Annealed Tinned Copper
- 1.3. Conductor Count: 8 Conductors

2. Insulation

- 2.1. Material: Polyvinylchloride / Nylon
- 2.2. Wall Thickness: 0.015" / 0.005"
- 2.3. Color Code: Yellow, Black, Red, Brown, Blue, Orange, Purple, Tan

3. Assembly

- 3.1. Nominal Lay Length: 3.00" LHL (4.0 tw/ft)
- 3.2. Fillers: Flame Retardant Fibrillated Polypropylene - as Necessary for a Circular Cross-Section
- 3.3. Shield: Aluminum/Mylar - 100% Coverage (25% Overlap)
- 3.4. Drain Wire: 20 AWG 7 Strands Tinned Copper
- 3.5. Braid Shield: 80% Minimum Coverage - Tinned Copper
- 3.6. Separator: Tissue Separator - 100% Coverage

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.060"
- 4.3. Diameter: 0.440" ± 0.015"
- 4.4. Color: Black
- 4.5. Ripcord: N/A
- 4.6. Weight: 161 Lbs/Mft

5. Markings

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Legend: LAKE CABLE E208158 18AWG 8C 105°C SHIELDED (UL) ITC-ER SUN RES DIR BUR OR PLTC-ER OR CIC C(UL) PVC/N SHIELDED 90°C DRY 75°C WET FT-4 "ROHS COMPLIANT" MADE IN USA
- 5.3. Footage Markers: N/A

6. Standards

- 6.1. Cable suitable for installation under NEC (NFPA 70) articles 725 and 727 guidelines
- 6.2. Cable suitable for installation under Canadian National Electrical Code (CEC) part I guidelines
- 6.3. Cable is suitable for use in Class I Division 2 hazardous locations
- 6.4. UL listed as PLTC-ER per UL standard 13 and ITC-ER per UL standard 2250
- 6.5. C(UL) listed as CIC per CSA standard C22.2 No. 239-09
- 6.6. Cable is UL approved for Sunlight Resistant and Direct Burial Applications
- 6.7. Cable Meets IEEE-1202 flame test
- 6.8. Dielectric Withstand Voltage: 1.5 KVAC
- 6.9. Cable is RoHS III complaint per Directive 2015/863/EU
- 6.10. Cable is REACH compliant per Regulation (EC) No 1907/2006 Updated July, 7 2017
- 6.11. Maximum Operating Voltage: 300V RMS
- 6.12. Made in the USA

ALL SPECIFIED PARAMETERS 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.

Signature

Company

Date