



# Specification Sheet

## Lake Cable Part #: STN188SBRDER/X-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: Black, Red, Brown, Blue, Orange, White, Green, Yellow

### 3. Core 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
- 4.7. Cold Bend Temp: -40°C

### 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

ICONN

Company

5/21/18

Date

ICONN PART 818-S2