



Specification Sheet

Lake Cable Part #: ST182T222ST

Description: 18 AWG 2 conductors 16 strands tinned copper + 22 AWG 1 pair 7 strands tinned copper shielded, PVC insulation, and an overall PVC jacket.

Element 1

- 1. **Conductor**
 - 1.1. AWG Size & Stranding: 18 AWG 16 Strands Class K ✓
 - 1.2. Material: Annealed Tinned Copper ✓
 - 1.3. Conductor Count: 2 Conductors
- 2. **Insulation**
 - 2.1. Material: Polyvinylchloride ✓
 - 2.2. Wall Thickness: 0.016" → .079 ✓
 - 2.3. Color Code: Black, Red ✓

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.

[Handwritten Signature]

Signature

CONN

Company

5.29.18

Date

Element 2

- 3. **Conductor**
 - 3.1. AWG Size & Stranding: 22 AWG 7 Strands Class B ✓
 - 3.2. Material: Annealed Tinned Copper ✓
 - 3.3. Conductor Count: 1 Pairs ✓
- 4. **Insulation**
 - 4.1. Material: Polyvinylchloride ✓
 - 4.2. Wall Thickness: 0.016" → .062 ✓
 - 4.3. Color Code: Orange x Brown ✓
- 5. **Assembly**
 - 5.1. Pair Lay Length: 1.00" LHL (12 Tw/Ft) ✓
 - 5.2. Pair Drain Wire: 22 AWG 7 Strand Tinned Copper ✓
 - 5.3. Pair Shield: Aluminum/Mylar Tape - 100% Coverage (Foil Facing In) (25% OVERLAP) ✓

CONN PART 218/222-51

Overall Assembly

- 6. **Assembly (Elements 1 & 2)**
 - 6.1. Cable Lay Length: 4.25" LHL (2.82 Tw/ft) ✓ *(I DON'T HAVE THIS CABLE TO CHECK THE LAY)*
 - 6.2. Fillers: Fibrillated Polypropylene as necessary for a Circular Cross-Section
 - 6.3. Binder: Clear Mylar - 100% Coverage ✓
- 7. **Jacket**
 - 7.1. Material: Pressure Extruded Polyvinylchloride ✓
 - 7.2. Convolution Level: 2 or better
 - 7.3. Wall Thickness: 0.050" ✓
 - 7.4. Diameter: 0.290" ± 0.005" ✓
 - 7.5. Color: Black ✓
 - 7.6. Ripcord: No ✓
 - 7.7. Cold Bend Rating: -40°C ✓
 - 7.8. Weight: 49 lbs/Mft
- 8. **Markings**
 - 8.1. Type: Cable shall be permanently identified via surface inkjet print
 - 8.2. Legend: LAKE CABLE E208158 18AWG 2C + 22AWG 1PR/SHLD 105°C (UL) ITC SUN RES DIR BUR OR PLTC OR C(UL)US CMG FT4 OR AWM 2586 105°C (-40°C) 600V "ROHS COMPLIANT" MADE IN USA
 - 8.3. Footage Markers: Yes ✓ *ok - Res FIREYE.*



Specification Sheet

Lake Cable Part #: **ST182T222ST**

9. Standards

- 9.1. Cable suitable for installations under NEC (NFPA 70) article 725 and article 727 guidelines
- 9.2. UL listed as type PLTC per UL standard 13 and as type ITC per UL standard 2250
- 9.3. C(UL)US listed as CMG per UL standard 444 and per CSA C22.2 No. 214-17
- 9.4. UL recognized component AWM Style 2586 per UL standard 758 for internal wiring or external interconnection
- 9.5. Cable is suitable for use in Class I Division 2 hazardous locations
- 9.6. Cable is UL approved for Sunlight Resistant Applications
- 9.7. Cable Meets IEEE 1202 flame test
- 9.8. Cable is RoHS III compliant per Directive 2015/863/EU
- 9.9. Cable is REACH compliant per Regulation (EC) No 1907/2006 Updated July, 7 2017
- 9.10. Maximum Operating Voltage: 600V RMS
- 9.11. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION