



Specification Sheet

Lake Cable Part #: TEX168SPOS

Description: 16 AWG 8 pair solid type EX thermocouple extension wire, XLPE insulation, individually and overall shielded with an overall PVC jacket for PLTC and ITC 105°C.

1. Conductor

- 1.1. AWG Size & Stranding: 16 AWG Solid
- 1.1. Material: Type EP (Chromel) & Type EN (Constantan)
- 1.2. Conductor Count: 8 Pairs

2. Insulation

- 2.1. Material: Cross-Linked Polyethylene
- 2.2. Wall Thickness: 0.015"
- 2.3. Color Code: Violet (EP) & Red (EN) Numbered

3. Assembly

- 3.1. Pair Lay Length: 2.50" LHL (4.80 Tw/Ft)
- 3.2. Cable Lay Length: 7.00" LHL(1.71 Tw/Ft)
- 3.3. Pair Drain Wire: 18 AWG 7 Strand Tinned Copper
- 3.4. Binder: Clear Mylar
- 3.5. Pair Shield: FFE Aluminum/Mylar Tape - 100% Coverage
- 3.6. Cable Drain Wire: 16 AWG 7 Strand Tinned Copper
- 3.7. Cable Shield: Aluminum/Mylar Tape - 100% Coverage

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.050"
- 4.3. Diameter: 0.560"
- 4.4. Color: Violet
- 4.5. Ripcord: Yes
- 4.6. Weight: 280 Lbs/Mft

5. Markings

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Legend: LAKE CABLE E171202 16AWG 8PAIR SPOS (UL) PLTC OR (UL) ITC XLPE 105°C
PVC JACKET TYPE EX EXTENSION GRADE THERMOCOUPLE SUN RES
DIR BUR FT-4 "ROHS II" REACH MADE IN USA
- 5.3. Footage Markers: Yes

6. Standards

- 6.1. Cable suitable for use in Class I Division II hazardous locations
- 6.2. UL listed as type PLTC Sunlight Resistant per UL standard 13 and as type ITC per UL standard 2250
- 6.3. Cable meets IEEE 383 & UL 1581 (1685) 70,000 BTU/HR flame test requirements
- 6.4. Meets IEEE 1202 flame test
- 6.5. All materials used in the manufacture of this cable are RoHS compliant
- 6.6. 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