



Specification Sheet

Lake Cable Part #: V183S-QR

Description: 18 AWG 3 conductor 7 strand bare copper with polyvinylchloride and nylon insulation, shielded, and an overall PVC jacket 600V control tray cable, PLTC, NPLF & FPL, 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: 3 Conductors
- 2. Insulation**
 - 2.1. Material: Polyvinylchloride & Nylon
 - 2.2. Wall Thickness: 0.015" PVC & 0.005" Nylon
 - 2.3. Color Code: Method 1, Table E-2
- 3. Assembly**
 - 3.1. Lay Length: 3.00" LHL (4.00 Tw/Ft)
 - 3.2. Shield: Aluminum/Mylar Tape - 100% coverage
 - 3.3. Drain Wire: 20 AWG 7 Strand Tinned Copper
- 4. Jacket**
 - 4.1. Material: Polyvinylchloride
 - 4.2. Wall Thickness: 0.045"
 - 4.3. Diameter: 0.275" ± 0.025"
 - 4.4. Color: Black
 - 4.5. Ripcord: Yes
 - 4.6. Cold Bend Rating: -40°C
 - 4.7. Weight: 48 lbs/Mft
- 5. Markings**
 - 5.1. Type: Cable shall be permanently identified via surface inkjet print every 2 feet
 - 5.2. Legend: LAKE CABLE E207231 18AWG 3C SHIELDED (UL) NPLF 90C 150V PVC/N OR PLTC OR FPL OR TC-ER 600V 90C DRY/WET SUN RES DIR BUR PVC JACKET 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 and Quad Rated TC-ER, PLTC, NPLF & FPL
 - 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 (197) Updated January 15, 2019
 - 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 cancer. For more information, go to www.P65Warnings.ca.gov. Wash hands after handling

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

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION