



# Specification Sheet

## Lake Cable Part #: V163S

**Description:** 16 AWG 3 conductor 7 strand bare copper with polyvinylchloride and nylon insulation, an aluminum/mylar shield with a stranded tinned copper drain wire with an overall PVC jacket 600V control tray cable, approved for use in SUN RES DIR BUR 90°C applications.

- 1. Conductor**
  - 1.1. AWG Size & Stranding: 16 AWG 7 Strands Class B
  - 1.1. Material: Annealed Bare Copper
  - 1.2. 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. Fillers: N/A
  - 3.2. Binder: N/A
  - 3.3. Shield: Aluminum/Mylar Tape - 100% Coverage
  - 3.4. Drain Wire: 20 AWG 7 Strands Tinned Copper
- 4. Jacket**
  - 4.1. Material: Polyvinylchloride
  - 4.2. Wall Thickness: 0.045"
  - 4.3. Diameter: 0.303" ± 0.025"
  - 4.4. Color: Black
  - 4.5. Ripcord: Yes
  - 4.6. Cold Bend: -40°C
  - 4.7. Weight: 62 lbs. /Mft.
- 5. Markings**
  - 5.1. Type: Cable permanently identified via surface inkjet print
  - 5.2. Legend: LAKE CABLE E208309 16AWG 3C SHIELDED (UL) TC-ER PVC/NYLON 600V 90C DRY/WET PVC JACKET SUN RES DIR BUR 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
  - 6.4. UL approved for Direct Burial and Sunlight Resistant applications
  - 6.5. Cable meets UL 1581 & IEEE 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. Due to the frequent updates to regulations, specifically California Proposition 65, EU REACH SVHCs and ROHS please contact Lake Cable for the most up to date compliance statement.

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.

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Signature

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Company

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Date

**All specified parameters without a tolerance are nominal and subject to verification. Lake cable is not responsible for unknown performance attributes that were not made known to lake cable at the time of design.**