



# Specification Sheet

## Lake Cable Part #: V186S-QR

**Description:** 18 AWG 6 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, PLTC, NPLF & FPL, approved for use in SUN RES DIR BUR OIL RES I 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: 6 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: Per UL Standard 1277
- 3.2. Fillers: N/A
- 3.3. Binder: N/A
- 3.4. Shield: Aluminum/Mylar Tape - 100% coverage
- 3.5. Drain Wire: 20 AWG, 7 Strand Tinned Copper

### 4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.045"
- 4.3. Diameter: 0.347"
- 4.4. Color: Black
- 4.5. Ripcord: Yes
- 4.6. Cold Bend Rating: -40°C
- 4.7. Weight: 80 lbs./Mft.

### 5. Markings

- 5.1. Type: Cable shall be permanently identified via surface inkjet print
- 5.2. Legend: LAKE CABLE E208309 18AWG 6C SHIELDED (UL) TC-ER 600V PLTC NPLF FPL PVC/NYLON 600V 90°C DRY/WET PVC JACKET SUN RES DIR BUR OIL RES I FT4 "ROHS" MADE IN USA
- 5.3. Footage Markers: Yes

### 6. Standards

- 6.1. Refer to NEC (NFPA 70) article 1277 for installation guidelines
- 6.2. Cable is suitable for use in Class I Division II hazardous locations
- 6.3. UL listed as Type TC-ER per UL Standard 1277 for tray cables and Quad Rated TC, PLTC, NPLF & FPL
- 6.4. UL approved for Direct Burial, Sunlight and Oil I 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. All materials used in the manufacture of this cable are RoHS compliant
- 6.8. Made in the USA

**ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION**