



Specification Sheet

Lake Cable Part #: V1812SPOS

Description: 18 AWG 12 pairs 7 strand bare copper with polyvinylchloride and nylon insulation, aluminum/mylar shields with stranded tinned copper drain wires and an overall PVC jacket 600V control tray cable, 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: 12 Pairs
- 2. Insulation**
 - 2.1. Material: Polyvinylchloride & Nylon
 - 2.2. Wall Thickness: 0.015" PVC & 0.005" Nylon
 - 2.3. Color Code: Black & White numbered pairs
- 3. Assembly**
 - 3.1. Pair/Cable Lay Length: Per UL Standard 1277
 - 3.2. Pair Drain Wire: 20 AWG, 7 Strand Tinned Copper
 - 3.3. Pair Shield: Foil Free Edged Aluminum/Mylar Tape - 100% coverage
 - 3.4. Cable Binder: Clear Mylar
 - 3.5. Cable Shield: Aluminum/Mylar Tape - 100% coverage
 - 3.6. Cable Drain Wire: 18 AWG, 7 Strand Tinned Copper
 - 3.7. Fillers: N/A
- 4. Jacket**
 - 4.1. Material: Polyvinylchloride
 - 4.2. Wall Thickness: 0.060"
 - 4.3. Diameter: 0.726"
 - 4.4. Color: Black
 - 4.5. Ripcord: Yes
 - 4.6. Cold Bend Rating: -40°C
 - 4.7. Weight: 338 lbs./Mft.
- 5. Markings**
 - 5.1. Type: Cable shall be permanently identified via surface inkjet print
 - 5.2. Legend: LAKE CABLE E208309 18AWG 12PR SPOS (UL) TC-ER 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 336 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
 - 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