



Specification Sheet

Lake Cable Part #: V1012S/M1

Description: 10 AWG 12 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 OIL RES I 90°C applications.

1. Conductor

- 1.1. AWG Size & Stranding: 10 AWG 7 Strands Class B
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 12 Conductors

2. Insulation

- 2.1. Material: Polyvinylchloride & Nylon
- 2.2. Wall Thickness: 0.020" PVC & 0.005" Nylon
- 2.3. Color Code: Method 1, Table E-1

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: 14 AWG 7 Strand Tinned Copper

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.080"
- 4.3. Diameter: 0.857"
- 4.4. Color: Black
- 4.5. Ripcord: Yes
- 4.6. Cold Bend Rating: -40°C
- 4.7. Weight: 642 lbs./Mft.

5. Markings

- 5.1. Type: Cable shall be permanently identified via surface inkjet print
- 5.2. Legend: LAKE CABLE E208309 10AWG 12C SHIELDED (UL) TC-ER PVC/NYLON 600V 90°C DRY/WET PVC JACKET SUN RES DIR BUR OIL RES I FT4 "ROHS"
- 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. Individual conductors pass UL VW-1 flame test, rated THHN/THWN/VW-1
- 6.4. UL listed as Type TC-ER per UL Standard 1277 for tray cables
- 6.5. UL approved for Direct Burial, Sunlight and Oil I Resistant applications
- 6.6. Cable meets UL 1581 & 1202 (FT-4) 70,000 BTU/HR & ICEA T-29-520 210,000 BTU/HR requirements
- 6.7. Meets ICEA S-73-532, where applicable
- 6.8. All materials used in the manufacture of this cable are RoHS compliant
- 6.9. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION

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