



Specification Sheet

Lake Cable Part #: VG103

Description: 10 AWG 3 conductor 7 strand bare copper with polyvinylchloride and nylon insulation, an uninsulated bare copper ground conductor unshielded 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: 3 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-2
3. **Assembly**
 - 3.1. Lay Length: Per UL Standard 1277
 - 3.2. Ground: Uninsulated - 10 AWG, 7 Strand Bare Copper
 - 3.3. Fillers: N/A
 - 3.4. Binder: Clear Mylar
 - 3.5. Shield: N/A
 - 3.6. Drain Wire: N/A
4. **Jacket**
 - 4.1. Material: Polyvinylchloride
 - 4.2. Wall Thickness: 0.045"
 - 4.3. Diameter: 0.443"
 - 4.4. Color: Black
 - 4.5. Ripcord: Yes
 - 4.6. Cold Bend Rating: -40°C
 - 4.7. Weight: 200 lbs./Mft.
5. **Markings**
 - 5.1. Type: Cable shall be permanently identified via surface inkjet print
 - 5.2. Legend: LAKE CABLE E208309 10AWG 3C (UL) TC-ER PVC/NYLON UNINSULATED GROUND 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. 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. Individual conductors pass UL VW-1 flame test, rated THHN/VW-1
 - 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