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18 AWG 4 Conductor Unshielded 600V Flexible Cord and Fixture Wire Specification

Lake Cable Part #: ST00W184/FL

Description: 18 AWG, 4 conductor unshielded 600V flexible cord and fixture wire constructed with stranded bare copper, polyvinylchloride insulation and an overall polyvinylchloride jacket. Individual conductors are manufactured in accordance with UL Standard 62, Type ST00W. Cable is manufactured in the USA in accordance with UL Standard 62 and NEC listed Type ST00W, suitable for use in damp locations for extra hard usage and approved for installation in portable or pendant power distribution systems per Article 400 of the National Electric Code. Cable may be installed in heavy tools, equipment, portable lights and power extensions and is approved for outdoor applications and submersion in water. Jacket is sunlight, oil and weather resistant and cable is (UL) ST00W approved for 600V, 105°C.

1. Conductor

- 1.1 AWG Size & Stranding: 18 AWG, 16 Strands
- 1.2 Material: Annealed Bare Copper

2. Insulation

- 2.1 Material: Polyvinylchloride per UL Standard 62, Type ST00W
- 2.2 Wall Thickness: 0.032" PVC - The minimum at any point shall not be less than 90% of the specified wall thickness

3. Color Code

- 3.1 Code: Method 1, Table E-1

4. Assembly

- 4.1 Lay Length: Per UL Standard 62
- 4.2 Fillers: Non-Hygroscopic Polypropylene - As required for a circular cross-section
- 4.3 Binder: Tissue Wrap
- 4.4 Shield: N/A
- 4.5 Drain Wire: N/A

5. Jacket

- 5.1 Material: Polyvinylchloride per UL Standard 62
- 5.2 Wall Thickness: 0.063" - The minimum at any point shall not be less than 80% of the specified wall thickness
- 5.3 Diameter: 0.399"
- 5.4 Color: Black
- 5.5 Weight: 89 lbs./Mft.

6. Markings

- 6.1 Type: Cable shall be permanently identified via surface inkjet print
- 6.2 Legend: LAKE CABLE E206089 18AWG (0.82MM2) 4C (UL) ST00W VW-1 C(UL)US 105°C 600V FT-2
WATER RESISTANT SUN RES "ROHS"

7. Standards

- 7.1 UL listed as Type ST00W per UL Standard 62 for flexible cords and fixture wire
- 7.2 UL approved for Sunlight, Oil, and Weather Resistant & Water Submersed applications
- 7.3 Cold Temperature Rating: -40°C
- 7.4 All materials used in the manufacture of this cable are RoHS compliant

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION