

Submersible Pump Cable

Santoprene® Twisted & Jacketed Submersible Pump Cable

Santoprene® twisted and jacketed type cable furnished in pre-cut lengths with water tight ETP fluoroelastomer plug on one end for direct connection to Franklin motor. Stranded copper conductor, 2-wire with ground or 3-wire with ground.

FEATURES

- For use with submersible pumps in water wells, cable is UL approved for this application.
- Suitable for hot or cold conditions, from -50°F to 200°F, 105°C dry, 75°C wet, 60°C in oil.
- Santoprene® Thermoplastic rubber is inherently resistant to a wide variety of oils, solvents and chemicals.
- The overall jacket has a .020" wall of Santoprene® that is abrasion resistant
- Section 501-11 of the 1990 National Electric Code, entitled flexible cords, Class 1, Division 1 and 2 (pages 70-442) has been interpreted by inspectors such that a flexible cord is appropriate for use with Electrical Submersible Pump in Class I, Division I, Group D applications. This is accomplished by the drop pipe connected to the pump or by the safety cable. Jacketed Santoprene® lead generally meets the flexible cord requirements as interpreted by these inspectors.
- Santoprene® should not be used in free product applications. Please use a FEP Fluoropolymer.

SPECIFICATIONS

Construction: Jam nut – 316 SS
Bushing – ETP Fluoroelastomer sleeve

Conductors: 12 AWG 19/25 TPC

Insulation: Santoprene® .045" wall nominal

Jacket: .020" wall nominal
Yellow Santoprene®

Final OD: 12/2 with ground, twisted
.405" nominal
12/3 with ground, twisted
.453" nominal
12/2 with ground, jacketed
.615" x .238" nominal
12/3 with ground, jacketed
.802" x .238" nominal

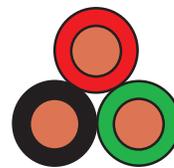
Note: Jacketed cable is trimmed back 2 inches from outer sleeve.



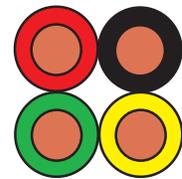
Jacketed 3-wire with ground



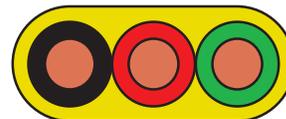
Twisted 3-wire with ground and Franklin Termination



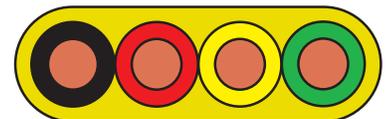
2-wire with ground,
twisted



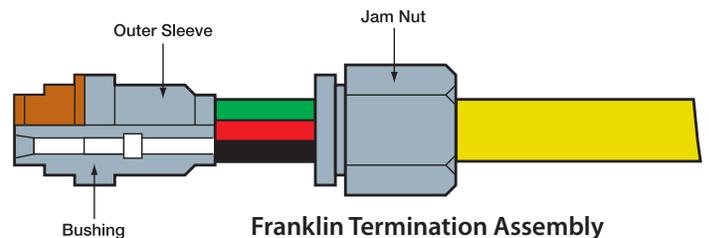
3-wire with ground, twisted



2-wire with ground,
jacketed



3-wire with ground, jacketed



Franklin Termination Assembly

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