

# Submersible Pump Cable

## **Santoprene® Twisted & Jacketed Submersible Pump Cable**

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

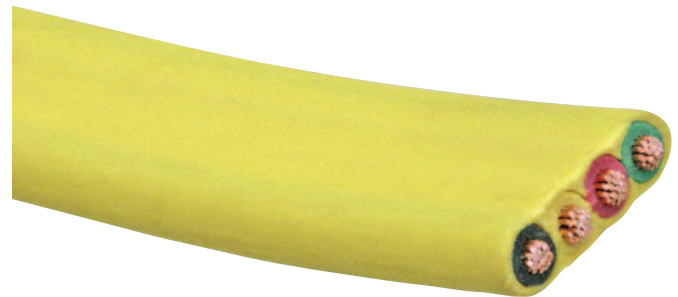
### FEATURES

- 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 Teflon®.

### SPECIFICATIONS

- Construction:** Jam nut – 316 SS  
Bushing – Viton® 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

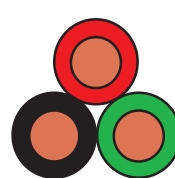
**Note:** Jacketed cable is trimmed back 2 inches from outer sleeve.



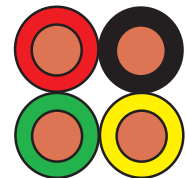
Jacketed 3-wire with ground



Twisted 3-wire with ground and Franklin Termination



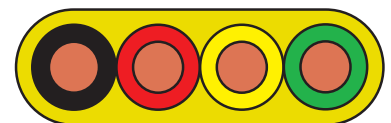
2-wire with ground, twisted



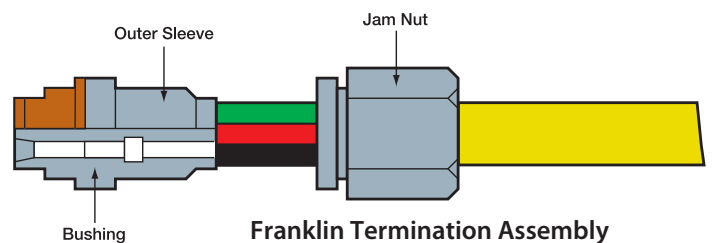
3-wire with ground, twisted



2-wire with ground, jacketed



3-wire with ground, jacketed



Franklin Termination Assembly

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