

# Submersible Pump Cable

## Teflon® Twisted & Jacketed Submersible Pump Cable

Teflon® 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

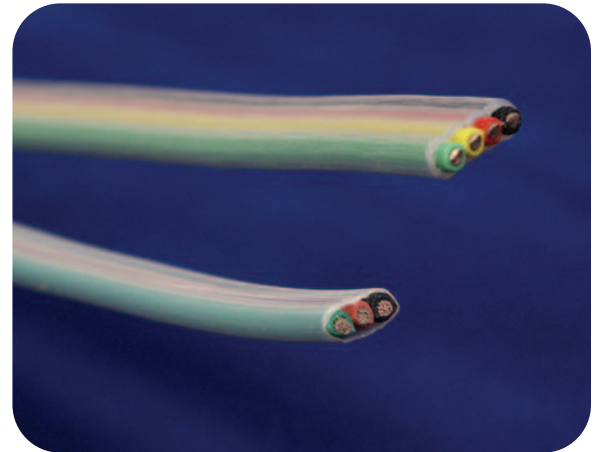
- The construction of this pump cable exceeds the electrical and physical test parameters of UL standard 83 that covers deep well submersible pump cable.
- The individual insulated primary conductors have a .030" insulation wall of Teflon® (FEP Floropolymer) which meets the requirements of NEC article 310, table 310-13 for type "ZW" wire suitable for use in wet locations, at 90°C. The wall thickness specified by the NEC is only .020" of FEP.
- Teflon® insulated and jacketed cables are routinely used for control, instrumentation and low voltage power cables in mass transportation systems, critical warning for chemical plants, nuclear facilities and various utility installations. Teflon® insulated jacketed cables are able to pass the large scale IEEE-383 flammability tests.
- Additionally, these types of cables exhibit very high cut through and abrasion resistance, chemical resistance, and continuous service temperatures of 200°C per UL.
- Due to the physical and electrical characteristics of Teflon® the above noted pump cable should outlive the life expectancy of the pump to which it is attached.
- The overall jacket has a .035" wall of Teflon® that is extremely abrasion resistant.
- Regarding the installation of jacketed cable in a Class 1, Division 1 Group C & D environment: as long as the installation is done in accordance with NEC article 500 methods, the jacketed cable will perform it's function in a very safe manner.

Teflon® is a registered trademark of Dupont.

### SPECIFICATIONS

<b>Construction:</b>	Jam nut – 316 SS Bushing – Viton® sleeve
<b>Conductors:</b>	12 AWG 19/25 TPC
<b>Insulation:</b>	FEP Teflon® .030" wall nominal
<b>Jacket:</b>	.035" wall nominal, clear FEP Teflon®
<b>Final OD:</b>	12/2 with ground, twisted .327" nominal 12/3 with ground, twisted .380" nominal 12/2 with ground, jacketed .513" x .220" nominal 12/3 with ground, jacketed .655" x .220" nominal

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



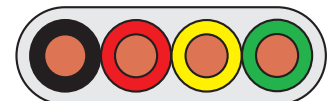
2-wire with ground, twisted



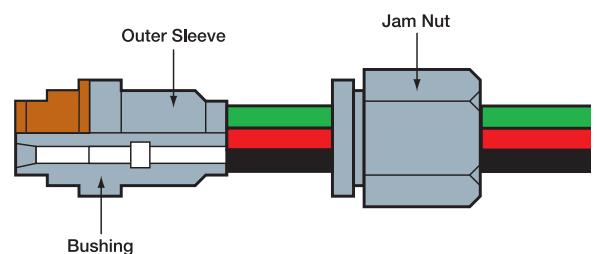
3-wire with ground, twisted



2-wire with ground, jacketed



3-wire with ground, jacketed



Franklin Termination Assembly

**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242

email: sales@geotechenv.com website: www.geotechenv.com