

PF Motor Leads™

PF motor leads are designed for integration with submersible pumps and motors from select manufacturers, providing a direct, un-interrupted electrical connection between the motor and the control system. It features **parallel bonded PVC insulation**, offering a **cost-effective solution with moderate flexibility and water submergence**, with a **75°C** rating. The sleeve and jam nut are made of stainless steel. This design eliminates the need for field splicing.

Custom lead lengths are available, subject to National Electric Code (NEC) ampacity regulations for conductors in free air or submerged environments. In certain configurations, the ground conductor may need to be removed from the plug and externally connected via a ring terminal to the pump/motor studs or a dedicated grounding lug, if present on the motor.

For precise sizing and compatibility information, it is recommended to consult with sales or technical support.

Materials & Construction

| | |
|--------------------|--|
| AWG: | #12, #10, #8, #6 |
| Conductor: | 19 STR Copper |
| Insulation: | Thermoplastic Heat Resistant Nylon Coated (THN) |
| Sleeve: | 316 Stainless Steel |
| Jam-nut: | 316 Stainless Steel (if applicable) |
| Bushing: | FKM or Nitrile |
| Potting: | Epoxy (chemically resistant) |

Applications

- ◆ Industrial
- ◆ Mining
- ◆ Dewatering
- ◆ Agriculture

Options

- ◆ Artesian Adder
- ◆ Strip-back
- ◆ Ground out
- ◆ COS Splice



Not to Scale.

Dimensions

| AWG (+ ground) | # of Conductors | OD (in) | Weight lb/1000' | Temp °C |
|----------------|-----------------|----------------------------------|-----------------|-----------|
| 12 | 2 / 3 | 0.185"x0.615" / 0.185"x0.830" | 95 / 126 | 75 ; 600V |
| 10 | 2 / 3 | 0.210"x0.690" / 0.210"x0.930" | 136 / 182 | |
| 8 | 2 / 3 | 0.270"x0.809" / 0.270"x1.109" | 206 / 277 | |
| 6 | 3 | 0.304"x1.490" | 402 | |

Motor Compatibility

| Franklin | Gould's | Grundfos | Faradyne | Hitachi |
|--|---|--|--|-----------------------|
| All 4", 6", 8" Encapsulated Motors | <ul style="list-style-type: none"> ◆ All 4" Motors ◆ 6" M-Series Motors | <ul style="list-style-type: none"> ◆ 4" MS402 & MS4000 Motors ◆ 3" MSE3 Motors <p>*not compatible with MS4000C Motors*</p> | <ul style="list-style-type: none"> ◆ 4" FM-Series | 6" Canned Type Motors |