

## JG Motor Leads™

JG 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 **PVC insulation and a PVC jacket**, offering a **cost-effective solution for general-purpose use with moderate flexibility and submergence in water**, 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

<b>AWG:</b>	#12, #10, #8, #6, #4, #2
<b>Conductor:</b>	19 STR Copper
<b>Insulation:</b>	Polyvinylchloride (PVC)
<b>Overall Jacket:</b>	Polyvinylchloride (PVC)
<b>Sleeve:</b>	316 Stainless Steel
<b>Jam-nut:</b>	316 Stainless Steel (if applicable)
<b>Bushing:</b>	Viton or Nitrile
<b>Potting:</b>	Epoxy (chemically resistant)

### Applications

- ◆ Industrial
- ◆ Environmental
- ◆ Mining
- ◆ Dewatering
- ◆ Water Well
- ◆ Construction
- ◆ Oil & Gas
- ◆ Agriculture
- ◆ Wastewater

### 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	0.280"x0.660" / 0.280"x0.814"	150 / 196	75 ; 600V
10	3	0.310"x0.940"	267	
8	3	0.370"x1.120"	382	
6	3	0.404"x1.282"	530	
4	3	0.460"x1.447"	731	
2	3	0.512"x1.656"	1046	

### Motor Compatibility

Franklin	Gould's	Grundfos	Faradyne	Hitachi
All 4", 6", 8" Encapsulated Motors	<ul style="list-style-type: none"> <li>◆ All 4" Motors</li> <li>◆ 6" M-Series Motors</li> </ul>	<ul style="list-style-type: none"> <li>◆ 4" MS402 &amp; MS4000 Motors</li> <li>◆ 3" MSE3 Motors (SQE/RF3)</li> </ul> <p>*not compatible with MS4000C Motors*</p>	<ul style="list-style-type: none"> <li>◆ 4" FM-Series</li> </ul>	6" Canned Type Motors