

FLAT PUMP CABLE W/GRD 600V/2000V

Three Power Conductor With Ground Flat Submersible Pump Power Cable



SPECIFICATIONS & STANDARDS

UL 44, ICEA S-75-381/NEMA WC-58, ASTM B3

CONSTRUCTION:

| | |
|--------------------------------|---|
| Conductors: | Annealed flexible stranded bare copper in accordance with UL 44 |
| Separator: | A suitable tape separator between the conductor and insulation |
| Insulation: | Ethylene-propylene rubber (EPR) as per clause 7.2.4 of UL 44 + rubber filled binder tape |
| Circuit identification: | Color coding of power conductors shall be black, red, yellow |
| Grounding conductor: | Annealed bare copper as per clause 4.1.4.3 of UL 44. Insulation color: green-yellow |
| Assembly: | Three power and grounding conductor laid parallel Rubber binder tape separator applied over each conductor |
| Jacket: | Black heavy duty CPE thermoset compound, ICEA S-75-381 sec. 3.21 and clause 7.2.6 of UL 44 |

| FEATURES | APPLICATION |
|--|--|
| <ul style="list-style-type: none"> - Excellent flexibility - Water, ozone, sun, weather and flame resistant - Rated and flexible at -40°C to 90°C - Oil and heat resistant - Suitable for shallow water immersion | <ul style="list-style-type: none"> - For use in salt water well applications - For supplying power to pumps - Other industrial applications |

APPROVALS:

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|--------------|---------------|
| UL: | E193954 |
| MSHA: | P-07-KA060001 |

| Conductor Size | Power Conductor Stranding | Nominal Thickness of Insulation | Approx. Dimensions | Approx. Weight | Ampacity (1) 40°C Ambient Temp. |
|--------------------------------|---------------------------|---------------------------------|--------------------|----------------|---------------------------------|
| Cores number x AWG + AWG (GRD) | nb x inch | inches | inches | lbs./1000ft | A |
| 3 x 6AWG + 8AWG | 259 x 0.01 | 0.06 | 1.66 x 0.60 | 8089 | 72 |
| 3 x 4AWG + 6AWG | 412 x 0.01 | 0.06 | 1.83 x 0.67 | 1087 | 93 |
| 3 x 2AWG + 5AWG | 259 x 0.016 | 0.06 | 2.04 x 0.72 | 1423 | 122 |
| 3 x 1AWG + 4AWG | 332 x 0.016 | 0.08 | 2.35 x 0.82 | 1872 | 146 |
| 3 x 1/0AWG + 3AWG | 414 x 0.016 | 0.08 | 2.52 x 0.87 | 2220 | 165 |
| 3 x 2/0AWG + 2AWG | 522 x 0.016 | 0.08 | 2.64 x 0.85 | 2648 | 192 |
| 3 x 4/0AWG + 1/0AWG | 829 x 0.016 | 0.08 | 3.39 x 1.14 | 4047 | 255 |
| 3 x 250MCM + 2/0AWG | 973 x 0.016 | 0.095 | 3.85 x 1.34 | 5137 | 280 |
| 3 x 350MCM + 3/0AWG | 1361 x 0.016 | 0.095 | 4.22 x 1.41 | 6425 | 335 |
| 3 x 500MCM + 250MCM | 1921 x 0.016 | 0.095 | 4.84 x 1.56 | 8527 | 395 |

(1) Ampacity – Free air measured; Based on continuous duty at 90°C conductor temperature

