

PUMP CABLE FLAT W/GRD 600V/2000V

Three Power Conductor with Ground Flat Submersible Pump Power Cable



SPECIFICATIONS & STANDARDS

UL 44, ICEA S-75-381/NEMA WC58, ASTM B172, ASTM B 3

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 shall be laid parallel |
| 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 supplying power to pumps - Other industrial applications |

Standard length cable packing: 1000 ft reels; Other forms of packaging available

APPROVALS:

UL: E193954
MSHA: P-07-KA060001

SPECIAL FACTORY OPTIONS:

Jacket: Optional Neoprene® jacket available
Other colors available

| Part Number | Power + Grounding Conductor Size | Power Conductor Stranding | Nominal Insulation Thickness | | Nominal O.D. | | Approx. Weight | | Ampacity (1) 40°C Ambient Temp. |
|-------------|----------------------------------|-------------------------------|------------------------------|------|--------------|------------|----------------|--------|---------------------------------|
| | AWG or MCM | No. and Diameter of Stranding | inches | mm | inches | mm | lbs/1000 ft | kgs/km | A |
| W/GRD10-3 | 3x10 AWG +10 | 104x0.01 | 0.06 | 1.52 | 1.71x0.63 | 43.4x16.1 | 875 | 1302 | 42 |
| W/GRD8-3 | 3x8 AWG +10 | 166x0.01 | 0.06 | 1.52 | 1.51x0.56 | 38.4x14.1 | 646 | 961 | 54 |
| W/GRD6-3 | 3x6 AWG +8 | 259x0.01 | 0.06 | 1.52 | 1.32x0.51 | 33.6x12.9 | 503 | 749 | 72 |
| W/GRD4-3 | 3x4 AWG +6 | 412x0.01 | 0.06 | 1.52 | 1.83x0.67 | 46.4x17.0 | 1118 | 1664 | 93 |
| W/GRD2-3 | 3x2 AWG +5 | 259x0.0159 | 0.06 | 1.52 | 2.04x0.72 | 51.8x18.2 | 1470 | 2188 | 122 |
| W/GRD1-3 | 3x1 AWG +4 | 331x0.0159 | 0.08 | 2.03 | 2.38x0.83 | 60.4x21.1 | 2083 | 3100 | 143 |
| W/GRD1/0-3 | 3x1/0 AWG +3 | 414x0.0159 | 0.08 | 2.03 | 2.54x0.87 | 64.4x22.1 | 2270 | 3379 | 165 |
| W/GRD2/0-3 | 3x2/0 AWG +2 | 522x0.0159 | 0.08 | 2.03 | 2.75x0.92 | 69.8x23.3 | 2710 | 4032 | 192 |
| W/GRD4/0-3 | 3x4/0 AWG +1/0 | 829x0.0159 | 0.08 | 2.03 | 3.39x1.14 | 86.0x29.0 | 3615 | 5830 | 255 |
| W/GRD250-3 | 3x250 MCM +2/0 | 973.x0.0159 | 0.095 | 2.41 | 3.92x1.33 | 99.6x33.9 | 4990 | 7425 | 280 |
| W/GRD350-3 | 3x350 MCM +3/0 | 1361x0.0159 | 0.095 | 2.41 | 4.22x1.41 | 107.2x35.8 | 6450 | 9600 | 335 |
| W/GRD500-3 | 3x500 MCM +250 | 1921x0.0159 | 0.095 | 2.41 | 4.83x1.56 | 122.8x39.7 | 8533 | 12700 | 395 |

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

STANDARD PRINT LEGEND:

TF CABLE (SIZE) W/GRD SUBMERSIBLE PUMP CABLE EPR/CPE 90C 600V (UL) E193954 2000V P-07-KA060001-MSHA



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