

FLAT PUMP CABLE WO/GRD 3c 600V/2kV

Three Power Conductor Flat Submersible Pump Cable Without Grounding Conductor



SPECIFICATIONS & STANDARDS

UL 44, ICEA S-75-381/NEMA WC58, 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 + faced rubber filled binder tape
Circuit identification: Color coding of power conductors shall be black, red, yellow
Assembly: Three power conductors shall be laid parallel.
 Rubber binder tape separator applied over each conductor
Jacket: A CPE thermosetting compound, heavy duty conductors in accordance with Par. 3.21 of ICEA S-75-381 and clause 7.2.6 of UL 44; Neoprene® optional jacket available

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:

- 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	nb x inch	inches	inches	lbs./1000ft	A
3 x 6AWG	259 x 0.01	0.06	1.26 x 0.57	599	72
3 x 4AWG	412 x 0.01	0.06	1.41 x 0.64	837	93
3 x 2AWG	259 x 0.016	0.06	1.62 x 0.72	1163	122
3 x 1AWG	322 x 0.016	0.08	1.91 x 0.84	1557	143
3 x 1/0AWG	414 x 0.016	0.08	2.04 x 0.88	1832	165
3 x 2/0AWG	522 x 0.016	0.08	2.18 x 0.94	2145	192
3 x 4/0AWG	829 x 0.016	0.08	2.56 x 1.08	3128	255
3 x 250MCM	973 x 0.016	0.095	2.82 x 1.19	3778	280
3 x 350MCM	1361 x 0.016	0.095	3.18 x 1.33	4955	335
3 x 500MCM	1921 x 0.016	0.095	3.77 x 1.55	6846	395

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

