

PUMP CABLE FLAT W/GRD 3/c 600/2kV

Three conductor Flat submersible pump cable With grounding conductor

SPECIFICATIONS & STANDARDS

UL 44
ICEA S-75-381/NEMA WC-58
ASTM B172, ASTM B 3

CONSTRUCTION:

Conductors:	Annealed flexible stranded bare copper in accordance with UL 44
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
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
Separator:	A suitable tape separator between the conductor and insulation
Jacket:	A CPE thermosetting compound, heavy duty in accordance with Par. 3.21 of ICEA S-75-381 and clause 7.2.6 of UL 44; Neoprene® optional jacket available
Color of jacket:	Black; Other colors 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 supplying power to pumps- Other industrial applications

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

APPROVALS:

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

Neoprene is a registered trademark of DuPont



TELE-FONIKA CABLE AMERICAS

1160 Pierson Drive, Suite 102
Batavia, IL 60510
tel: 630-406-9000 fax: 630-406-6574

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Part Number	Power + Grounding Conductor Size	Power Conductor Stranding	Nominal Insulation Thickness		Nominal O.D.		Approx. Weight		Ampacity (1) 40°C Ambient Temp.
			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:

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

