



Paige spec

P7341M-SP



HEAVY-DUTY MINING CABLE

ROUND SUBMERSIBLE **pumpwre** HYDROFLEX SHIELDED 5000V

WE SPECIALIZE IN SUBMERSIBLES

INSULATION: (EPR) ETHYLENE PROPYLENE RUBBER

OUTER JACKET: NEOPRENE

SIZES: **6 AWG – 500 MCM**

90°C Wet/Dry, C(UL) MSHA



1.0 APPLICATIONS:

1.1 Shielded, Medium, Voltage, High ampacity, Flexible Submersible Pump Cable designed for use as heavy duty deep well fresh or salt water suitable for continuous submersion to 984'. Dual rated submersible and SHD-GC. Impact, abrasion, Ozone, Sun, Water, Heat, Oil, and Flame resistant.

2.0 FEATURES:

- 2.1**
 - Excellent Flexibility
 - High ozone, sun, weather and flame resistant
 - Rated and flexible at -40°C
 - Excellent impact and abrasion resistant
 - Oil and heat resistant
 - Indent printed for easy identification

3.0 CONSTRUCTION:

- 3.1 Conductors:**
Annealed flexible stranded tin coated copper in accordance with ASTM B 172 and ICEA S-75-381.
- 3.2 Conductor Shielding:**
Semi-conducting layer over the conductor.
- 3.3 Insulation:**
Ethylene-propylene rubber (EPR).
- 3.4 Insulation Shield:**
Non conducting bedding tape + composite tinned copper/fiber braid. Covering minimum 60%.
- 3.5 Circuit Identification:**
The nylon in the shielding braid is colored black, white, red in accordance with ICEA S-75-381.



3.6 Grounding Conductors:

Annealed tin coated copper as per Tab. 3-21 of ICEA S-75-381.

3.7 Ground Check:

Annealed tin coated copper as per Tab. 3-21 of ICEA S-75-381. Color of insulation: yellow.

3.8 Assembly:

Three power, ground check and two non-insulated grounding conductors cabled together. Single faced rubber filled binder tape applied overall. Integral filled jacket for higher torsion resistance.

4.0 Jacket:

A reinforced NEOPRENE, CPE, TPU optional jacket available. Type extra heavy duty in accordance with Par. 3.21 of ICEA S-75-3581.

3.10 Color of Jacket:

Black, other colors available upon request.

APPROVALS:

4.1 MSHA:

- 4.1.1 P-07-KA060012 (Neoprene)
- 4.1.2 P-7K-268101 (CPE)
- 4.1.3 P*07-KA030001 (TPU)

4.2 CSA

- 4.2.1 15230258 (LR 103932)

We're Big in Big pump cable.

5.0 Dimensions

Power Conductor Size	Power Conductor Stranding	Ground Check Conductor Size	Grounding Conductor Size	Power Conductor Stranding	Insulation Thickness	Jacket Thickness	Cable O.D.		Approximate Weight		Ampacity (I) 40°C Ambient Temp.
							inches	mm	lbs/1000 ft	kgs/km	
6	133 7 x 19	8	10	49 7x7	0.110	0.185	1.56	39.6	1460	2173	93
4	259 7 x 37	8	8	133 7x19	0.110	0.185	1.68	42.7	1769	2633	122
2	259 7 x 37	8	6	133 7x19	0.110	0.205	1.87	47.5	2370	3527	159
1	259 7 x 37	8	5	133 7x19	0.110	0.205	1.95	49.5	2660	3959	184
1/0	266 19 x 14	8	4	259 7x37	0.110	0.220	2.08	52.8	3200	4762	211
2/0	342 19 x 18	8	3	259 7x37	0.110	0.220	2.20	55.9	3615	5380	243
3/0	418 19 x 22	8	2	259 7x37	0.110	0.235	2.36	59.9	4300	6398	279
4/0	532 19 x 28	8	1	259 7x37	0.110	0.235	2.50	63.5	5059	7529	321
250 MCM	627 19 x 33	8	1/0	266 19x14	0.120	0.250	2.69	68.3	6200	9227	355
350 MCM	888 37 x 24	8	2/0	342 19x18	0.120	0.265	2.95	74.9	7700	11458	435
500 MCM	1221 37 x 33	8	4/0	532 19x28	0.120	0.280	3.31	84.1	10200	15178	536

Ampacities (Amps per conductor) are based on 30°C ambient temperature in air. 90°C conductor temperature per the 2002NEC Table 400-5 (B)