

**SUBMERSIBLE PUMP CABLE  
HYDROFLEX SHIELDED 5000V**

INSULATION: **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:**

- 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.

**3.9 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.

**4.0 Approvals:**

**4.1.1 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)

**5.0 Dimensions"**

PAIGE PART #	POWER CONDUCTOR SIZE	POWER CONDUCTOR STRANDING	GROUND CHECK CONDUCTOR SIZE	GROUNDING CONDUCTOR SIZE (AWG)	POWER CONDUCTOR STRANDING	INSULATION THICKNESS	JACKET THICKNESS	CABLE O.D.		APPROX. WEIGHT		AMPACITY (1) 40°C AMBIENT TEMP.
					No. of Wires	inches	inches	inches	mm	lbs/1000 ft	kgs/km	
070063SHD	6 AWG	133 7x19	8	10	49 7x7	0.110	0.185	1.56	39.6	1460	2173	93
070043SHD	4 AWG	259 7x37	8	8	133 7x19	0.110	0.185	1.68	42.7	1769	2633	122
070023SHD	2 AWG	259 7x37	8	6	133 7x19	0.110	0.205	1.87	47.5	2370	3527	159
070013SHD	1 AWG	259 7x37	8	5	133 7x19	0.110	0.205	1.95	49.5	2660	3959	184
070202SHD	1/0 AWG	266 19x14	8	4	259 7x37	0.110	0.220	2.08	52.8	3200	4762	211
070203SHD	2/0 AWG	342 19x18	8	3	259 7x37	0.110	0.220	2.2	55.9	3615	5380	243
070204SHD	3/0 AWG	418 19x22	8	2	259 7x37	0.110	0.235	2.36	59.9	4300	6398	279
070205SHD	4/0 AWG	532 19x28	8	1	259 7x37	0.110	0.235	2.5	63.5	5059	7529	321
070250SHD	250 MCM	627 19x33	8	1/0	266 19x14	0.120	0.250	2.69	68.3	6200	9227	355
070350SHD	350 MCM	888 37x24	8	2/0	342 19x18	0.120	0.265	2.95	74.9	7700	11458	435
070500SHD	500 MCM	1221 37x33	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)