



ROUND SUBMERSIBLE FLEXIBLE PORTABLE POWER CABLE WITH GROUNDS

WITH GROUND & GROUND CHECKS

INSULATION: **(EPR) ETHYLENE-PROPYLENE RUBBER**

JACKET: **(CPE) CHLORINATED POLYETHYLENE**

SIZES: **8 AWG - 500 MCM,**

4 CONDUCTORS

2000 VOLTS, 90°C



1.0 APPLICATIONS:

1.1 Extra-Hard Usage, Oil Resistant, Flexible Submersible Pump Cable designed for use as heavy duty deep well fresh or salt water suitable for continuous submer- sion to 984'. The cable is dual rated for submersible and G applications and is especially efficient for use in municipal applications, cold weather and high ampacity requirements where round cable is preferred. Impact, Abrasion, Ozone, Sun, Weather, 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 Conductor:
 Annealed flexible stranded bare or tin coated in accordance with ASTM B-172 and ICEA S-75-81.

3.2 Insulation:
 Ethylene-propylene rubber (EPR).

3.3 Color Coding:
 Color coding of power conductors shall be black, white red in accordance with Par. 3.18 of ICEA S-75-81.



3.4 Grounding Conductors:

Annealed tin coated copper according to Tab. 3-12 of ICEA S-75-81. Color of tape or rubber is green.

3.5 Assembly:

Four power and four grounding conductors cabled together with rubberized cotton tape applied overall.

3.6 Separator:

A suitable tape separator between the suitable tape separator between the conductor and insulation.

3.7 Jacket:

A CPE thermosetting compound, extra or extra heavy duty in accordance with Par. 3.21 of ICEA S-75-81. Black, other colors available.

4.0 APPROVALS:

MSHA:

P-7K-268101 (CPE);
 P-7K-268077 (NEOPRENE);
 P-07-KA030001 (TPU)

UL: E207132

CUL: E207132

CSA: 1523058 (LR 103932)

5.0 Dimensions

PAIGE PART #	CONDUCTOR SIZE (AWG)	NUMBER OF INSULATED CONDUCTORS	POWER CONDUCTOR STRANDING	GROUNDING CONDUCTOR SIZE	NOMINAL INSULATION THICKNESS	Nominal O.D.		Cable Weight		Ampacity (I) 40°C Ambient Temp.
					inches	inches	mm	(lb/mft*)	kgs/km	
070600	8	4	133 7 x 19	12	0.060	0.97	24.6	640	953	52
070601	6	4	133 7 x 19	12	0.060	1.10	27.9	910	1354	72
070602	4	4	133 7 x 19	10	0.060	1.27	32.3	1378	2050	93
070603	3	4	259 7 x 37	9	0.060	1.48	37.6	1914	2848	122
070604	1	4	259 7 x 37	8	0.080	1.68	42.7	2311	3439	143
070605	1/0	4	266 19 x 14	7	0.080	1.79	45.5	2810	4181	165
070606	2/0	4	342 19 x 18	6	0.080	1.93	49.0	3253	4842	192
070607	3/0	4	418 19 x 22	5	0.080	2.07	52.6	4099	6100	221
070608	4/0	4	532 19 x 28	4	0.080	2.26	57.4	4925	7329	255
070609	250 MCM	4	627 19 x 33	3	0.095	2.66	67.6	6060	9018	280
070610	350 MCM	4	888 37 x 24	1	0.095	2.98	75.7	8126	12093	335
070611	500 MCM	4	1221 37 x 33	1/0	0.095	3.40	86.4	10758	16010	395

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