

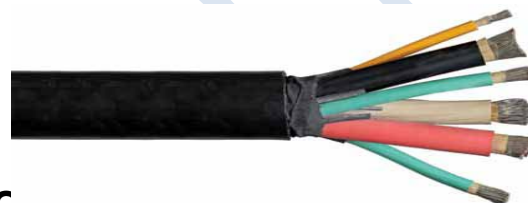
## ROUND SUBMERSIBLE PUMP FLEXIBLE PORTABLE POWER CABLE WITH GROUNDS & GROUND CHECKS

INSULATION: **EPR**

OUTER JACKET: **CPE**

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

**2-3 CONDUCTORS, 600/2000 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 submersion to 984'. The cable is dual rated for submersible and GG-C 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

- Excellent Flexibility
- High ozone, sun, weather and flame resistant
- Rated and flexible at -40°C to 90°C
- Excellent impact and abrasion resistant
- Oil and heat resistant
- Indent printed for easy identification

### 3.0 Construction:

#### 3.1 Conductors:

Flexible stranded tin copper Class 1 UL44 and ASTM B-33.

#### 3.2 Insulation:

Ethylene-propylene rubber (EPR)

#### 3.3 Color Coding:

Color coding of power conductors shall be black, white red.

#### 3.4 Grounding Conductors:

Tin Copper, insulation color: green.

#### 3.5 Ground Check:

Yellow polypropylene – insulated tin copper conductor.

#### 3.6 Assembly:

Three power, ground check and two grounding green EPR insulated grounding conductors cabled with cured rubber fillers as required to make an essentially round core.

#### 3.7 Cable Reinforcement:

Single faced rubber filled binder tape applied overall.

#### 3.8 Separator:

A suitable tape separator between the conductor and insulation.

#### 3.9 Jacket:

Black heavy duty, integral-filled CPE thermoset compound, UL 1581. 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	SIZE		NOMINAL INSULATION THICKNESS	NOMINAL JACKET THICKNESS	NOMINAL O.D.		CABLE WEIGHT		AMPACITY (1) 30°C AMBIENT TEMP.
				Ground	Ground Check			Inches	Inches	Inches	mm	
070402	8	3	133 7 x 19	10	10	0.060	0.141	0.99	25.1	661	983	65
070403	6	3	133 7 x 19	10	10	0.060	0.141	1.05	26.6	781	1162	87
070404	4	3	259 7 x 37	8	10	0.060	0.125	1.12	28.4	1013	1507	114
070405	2	3	259 7 x 37	7	10	0.060	0.141	1.29	32.8	1413	2103	152
070406	1	3	259 7 x 37	6	8	0.080	0.141	1.41	35.8	1716	2554	177
070407	1/0	3	266 19 x 14	5	8	0.080	0.156	1.54	39.0	2096	3119	205
070408	2/0	3	342 19 x 18	4	8	0.080	0.156	1.60	40.6	2466	3670	237
070409	3/0	3	418 19 x 22	2	8	0.080	0.156	1.74	44.3	2982	4437	274
070410	4/0	3	532 19 x 28	2	8	0.080	0.172	1.88	47.7	3627	5397	316
070411	250 MCM	3	627 19 x 33	2	8	0.095	0.240	2.26	57.3	4568	6798	352
070412	350 MCM	3	888 37 x 24	1/0	8	0.095	0.240	2.48	63.1	6003	8933	433
070413	500 MCM	3	1221 37 x 33	2/0	8	0.095	0.270	2.87	72.8	8131	12099	536

Ampacities (Amps per conductor) are based on 30°C ambient temperature in air. 90°C conductor temperature per the 2011NEC Table 400-5 (a)(2)