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**spec** P7279-SP

## 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
- Excellent impact and abrasion resistant
- Oil and heat resistant
- Indent printed for easy identification

### 3.0 Construction:

#### 3.1 Conductors:

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.

#### 3.5 Ground Check:

Annealed tin coated copper according to Tab. 3-12 of ICEA S-75-81. Color of insulation is yellow.

#### 3.6 Assembly:

Three power, ground check and two grounding green EPR insulated 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:

A CPE thermosetting compound, extra or extra heavy duty in accordance with Par. 3.21 of ICEA S-75-81; Neoprene and TPU optional jacket available. 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	SIZE		NOMINAL INSULATION THICKNESS	NOMINAL JACKET THICKNESS	NOMINAL O.D.		CABLE WEIGHT		AMPACITY (1) 40°C AMBIENT TEMP.
				Ground	Ground Check			Inches	Inches	Inches	mm	
070400	12	3	65 11+6 x 9	12	12	0.060	0.094	0.70	17.8	366	544	25
070401	10	3	49 7 x 7	12	12	0.060	0.114	0.80	20.3	538	800	30
070402	8	3	133 7 x 19	10	10	0.060	0.134	0.97	24.6	632	941	59
070403	6	3	133 7 x 19	10	10	0.060	0.146	1.05	26.7	752	1119	79
070404	4	3	259 7 x 37	8	10	0.060	0.146	1.19	30.2	1130	1682	104
070405	2	3	259 7 x 37	7	10	0.060	0.165	1.34	34.0	1532	2280	138
070406	1	3	259 7 x 37	6	8	0.080	0.170	1.51	38.4	1940	2901	161
070407	1/0	3	266 19 x 14	5	8	0.080	0.170	1.65	41.9	2292	3411	186
070408	2/0	3	342 19 x 18	4	8	0.080	0.190	1.75	44.5	2658	3955	215
070409	3/0	3	418 19 x 22	2	8	0.080	0.197	1.89	48.0	3300	4910	249
070410	4/0	3	532 19 x 28	2	8	0.080	0.205	2.04	51.8	4058	6039	287
070411	250 MCM	3	627 19 x 33	2	8	0.095	0.280	2.39	60.7	4807	7153	320
070412	350 MCM	3	888 37 x 24	1/0	8	0.095	0.252	2.68	68.1	6247	9296	394
070413	500 MCM	3	1221 37 x 33	2/0	8	0.095	0.315	3.03	77.0	8426	12539	487

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