

**FLAT SUBMERSIBLE PUMP CABLE  
2 & 3 CONDUCTOR WITH GROUND  
600/2000 VOLTS**

**INSULATION: POLYVINYL CHLORIDE & NYLON**

**JACKET: POLYVINYL CHLORIDE**

**SIZES: 14 - 500 MCM**

**90°C DRY/ 75°C•WET**



**1.0 Applications:**

- 1.1** Heavy duty (double jacketed), Flat Submersible pump cable suitable for use within well casings for wiring deep well fresh or salt water submersible pumps.

**2.0 Construction:**

**2.1 Conductors:**

Class C, soft drawn, bare copper per ASTM B3 and ASTM B8.

**2.2 Insulation:**

Heat and moisture resistant, polyvinyl chloride meeting the requirements of UL 83 for Type THHN and THWN wires. The insulation is acceptable for use in locations at 90°C dry or 75°C wet. The insulation thickness is in accordance with UL 83.

**2.3 Conductor Jacket:**

A nylon jacket is applied directly to the surface of the PVC insulation. Nylon shall meet the requirements of UL 83. The thickness is in accordance with UL 83.

**2.4 Ground Conductor:**

Class C, soft drawn, bare copper per ASTM B3 and ASTM B8. The conductor is insulated with PVC/Nylon and the nominal overall diameter shall equal the insulated circuit conductors.

**2.5 Assembly:**

The insulated circuit and grounding conductors are laid flat and parallel together. The jacket will be applied directly over the insulated conductors encapsulating them.

**2.6 Jacket:**

Heat and moisture resistant, Black polyvinyl chloride meeting the requirements of UL 83. The thickness is in accordance with UL 83.

**2.7 Color Code:**

Black, yellow, red & green grounding conductor.

**2.8 Surface Markings:**

The overall jacket will have the following information printed: PAIGE SUBMERSIBLE PUMP CABLE NUMBER AND "size of conductors", TYPE THHN/THWN 600 V (UL).

**2.8 Approvals:**  
**UL: E63611-T**  
**MSHA: P-7K-206644**

**3.0 Dimensions:**

PAIGE PART #	NUMBER OF INSULATED CONDUCTORS	CONDUCTOR SIZE	GROUNDING CONDUCTOR SIZE	INSULATION THICKNESS AVERAGE/MINIMUM PVC/NYLON		JACKET THICKNESS		CABLE O.D.		CABLE WEIGHT (LB/MFT*)	AMPACITY (1) 40°C AMBIENT TEMP.
		(AWG)	(AWG)	(inches)	(mm)	(inches)	(mm)	inches	mm		
020016	2	14	14	0.033/0.004	0.838/0.1016	0.030	0.762	0.54 x 0.22	13.7 x 5.6	79	18
020013	2	12	12	0.033/0.004	0.838/0.1016	0.030	0.762	0.56 x 0.23	14.2 x 5.8	95	24
020014	2	10	10	0.033/0.004	0.838/0.1016	0.030	0.762	0.60 x 0.24	15.2 x 6.1	158	33
020012	3	14	14	0.033/0.004	0.838/0.1016	0.030	0.762	0.53 x 0.18	13.4 x 4.5	110	18
020026	3	12	12	0.033/0.004	0.838/0.1016	0.030	0.762	0.59 x 0.21	14.9 x 5.3	138	24
020036	3	10	10	.005	0.0127	0.045	1.143	0.75 x 0.25	19.0 x 6.4	210	33
020046	3	8	10	.006	0.1524	0.055	1.397	0.99 x 0.37	25.6 x 8.1	360	43
020056	3	6	8	.006	0.1524	0.060	1.524	1.18 x 0.42	29.9 x 10.6	487	58
020066	3	4	8	0.062/0.003	1.5748/0.0762	0.060	1.524	1.47 x 0.44	37.3 x 11.1	721	79
020076	3	2	6	0.062/0.003	1.5748/0.0762	0.060	1.524	1.72 x 0.50	43.6 x 12.7	1061	105
020078	3	1	6	0.062/0.003	1.5748/0.0762	0.060	1.524	1.915 x 0.630	48.6 x 16.0	1829	121
020086	3	1/0	6	0.071/0.007	1.8034/0.1778	0.060	1.524	2.170 x 0.64	55.1 x 16.2	1836	145
020096	3	2/0	6	0.071/0.007	1.8034/0.1778	0.060	1.524	2.360 x 0.69	59.9 x 17.5	2034	166
020106	3	3/0	6	0.071/0.007	1.8034/0.1778	0.060	1.524	2.580 x 0.74	65.5 x 18.7	2428	189
020116	3	4/0	4	0.071/0.007	1.8034/0.1778	0.060	1.524	2.820 x 0.80	71.6 x 20.3	3092	223
020126	3	250 MCM	4	0.071/0.007	1.8034/0.1778	0.095	2.413	3.150 x 1.00	80.0 x 25.4	4290	245
020136	3	350 MCM	3	0.062/0.003	1.5748/0.0762	0.095	2.413	3.550 x 1.20	90.1 x 30.4	4550	305
020146	3	500 MCM	3	0.071/0.002	1.8034/0.0508	0.065	1.651	3.860 x 1.30	98.0 x 27.0	8270	380

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

**P7271-SP**