

**FLAT SUBMERSIBLE PUMP CABLE**  
**INSULATION: POLYVINYL CHLORIDE**  
**AND NYLON**



**JACKET: POLYVINYL CHLORIDE**  
**SIZES: 12 - 350 AWG, 3 CONDUCTOR**  
 600 VOLTS, 90°C Dry, 75°C Wet



**1.0 APPLICATIONS:**

**1.1** Heavy duty (double jacketed), Flat, Submersible, 600V pump cable suitable for use within well casings for wiring deep well fresh or salt water submersible pumps.

**2.0 CONSTRUCTION:**

**2.1 Conductor:**  
 Class C stranded, soft, bare copper per ASTM B 3 and B 8.

**2.2 Insulation:**  
 Heat and moisture resistant, polyvinyl insulation. The nylon meets the requirements of UL 83 and conforms to the thickness given in Table 15.5 of UL 83.

**2.3 Insulation Jacket:**  
 A nylon jacket shall be applied over the insulation. The nylon meets the requirements of UL 83 and conforms to the thickness given in Table 15.5 of UL 83.

**2.4 Assembly:**

The insulated conductors are laid flat. The jacket is extruded directly over the insulated conductors encapsulating them.

**2.5 Jacket:**

Polyvinyl Chloride meeting the requirements of UL 83. The thickness is in accordance with the table below.

**2.6 Color Code:**

Black, yellow, red-yellow to be center conductor..

**2.7 Marking:**

The overall jacket will have the following information printed: PAIGE SUBMERSIBLE PUMP CABLE NUMBER AND "size of conductor" THHN OR THWN CDRS 75°C WET 600 V (UL)

**2.8 Approvals:**

Approvals: UL: E6361 1-T

PAIGE PART #	NUMBER OF INSULATED CONDUCTORS	CONDUCTOR SIZE (AWG)	INSULATION THICKNESS AVERAGE/MINIMUM (MIL)	JACKET THICKNESS (MIL)	CABLE O.D.		CABLE WEIGHT (LB/MFT*)	AMPACITY (1) 40°C TEMP.
					INCHES	MM		
020021	3	12	3 3/4	30	0.480 x 0.200	12.2 x 5.0	95	24
020031	3	10	5	30	0.580 x 0.240	14.7 x 6.0	158	33
020041	3	8	6	45	0.780 x 0.320	19.8 x 8.1	269	43
020051	3	6	6	45	0.900 x 0.360	22.8 x 9.1	387	58
020061	3	4	6 2/3	45	1.120 x 0.440	28.4 x 11.1	591	79
020071	3	2	7 1/7	45	1.320 x 0.500	33.5 x 12.7	875	105
020081	3	1/0	7 1/7	60	1.290 x 0.635	32.7 x 16.1	1394	145
020091	3	2/0	7 1/7	60	1.395 x 0.685	35.4 x 17.3	1701	166
020111	3	4/0	7 1/7	60	1.660 x 0.800	42.1 x 20.3	2567	223
020200	3	250 MCM	7 1/2	80	2.010 x 0.870	51.0 x 22.1	3104	245
020210	3	350 MCM	7 1/2	80	2.370 x 0.980	60.1 x 24.8	4192	305
020220	3	500 MCM	7 1/2	125	4.165 x 1.240	78.2 x 29.9	7990	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)