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P7272D-Rev 3

**SUBMERSIBLE PUMP CABLE**  
**INSULATION: POLYVINYL CHLORIDE AND NYLON**  
**JACKET: POLYVINYL CHLORIDE**  
**SIZES: 12- 350 AWG, 3 CONDUCTOR**  
**600 VOLTS, 90°C DRY, 75° WET**



**1.0 SCOPE:**

**1.1** 600 volt, submersible pump cable with THHN/THWN insulated conductors and PVC jacket. The insulation is rated 90°C Dry and 75°C wet.

**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, chloride meeting the requirements of UL 83. the insulation thickness is in accordance with 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**

**2.5 Assembly:**

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

**2.6 Jacket:**

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

**2.7 Color Code:**

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

**2.8 Surface Marking:**

The overall jacket will have the following information printed: PAIGE SUBMERSIBLE PUMP CABLE NUMBER AND SIZE OF CONDUCTORS, THHN OR THWN CDRS 75° WET 600V(UL)

NUMBER OF INSULATED CONDUCTORS	CONDUCTOR SIZE (AWG)	INSULATION THICKNESS PVC/NYLON (MIL)	JACKET THICKNESS (MIL)	CABLE WEIGHT (LB/MFT.)	CABLE O.D.
3	12	15/4	30	95	0.480 x 0.200
3	10	20/4	30	138	0.580 x 0.240
3	8	30/5	45	269	0.780 x 0.320
3	6	30/5	45	387	0.900 x 0.360
3	4	40/6	45	591	1.120 x 0.440
3	2	40/6	45	875	1.320 x 0.500
3	1/0	50/7	60	1394	1.290 x 0.635
3	2/0	50/7	60	1701	1.395 x 0.685
3	3/0	50/7	60	2172	1.520 x 0.740
3	4/0	50/7	60	2567	1.660 x 0.800
3	250	60/8	80	3104	2.010 x 0.870
3	350	60/8	80	4192	2.370 x 0.980