

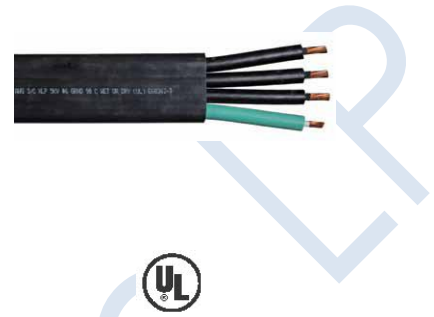


pumpwire
WE SPECIALIZE IN SUBMERSIBLES

spec

P7324-SP

FLAT SUBMERSIBLE PUMP CABLE
5000 VOLTS TESTED GOOD FOR 2.4kV PER NEC
INSULATION: XLPE CROSS-LINKED
JACKET: BLACK POLYVINYL CHLORIDE
SIZES: 6 – 2/0 AWG - 3 CONDUCTOR
90°C DRY / 75°C WET



1.0 Applications:

1.1 Flat 5000V submersible pump cable with cross-linked XLPE insulated circuit and grounding conductors and an overall PVC jacket. Tested and rated for up to 2.4kV per NEC. Suitable for use within well casings for wiring deepwell submersible water pumps.

2.0 Construction:

2.1 Conductors:

Class B (7 strand), soft drawn, bare copper per ASTM B3 and ASTM B8.

2.2 Conductor Shield:

5 mil thick semi-conducting tape longitudinally applied over the conductor in accordance with the requirements of UL 1072.

2.3 Insulation:

Heat and moisture resistant, cross-linked thermosetting polyethylene meeting the requirements of UL 1072 for 5000 Volt rated cables. The insulation thickness is in accordance with Table 13.2 of UL 1072.

2.4 Ground Conductor:

Class B (7 strand), soft drawn, bare copper per ASTM B3 and ASTM B8. The conductor is fully insulated with XLPE and the nominal overall diameter shall equal the insulated circuit conductors.

2.5 Assembly:

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

2.6 Color Code:

5KV Circuit Conductors – BLACK
Grounding Conductor - GREEN

2.7 Jacket:

Heat and moisture resistant, black polyvinyl chloride meeting the requirements of UL 1072. The thickness is in accordance with Table 25.15 of UL 1072.

2.8 Identification:

The overall jacket will have the following information printed:
PAIGE ELECTRIC FLAT PUMP CABLE
"number & size of conductor" XLP 5KV
"ground conductor size" GRND 90°C WET OR DRY (UL) E#XXXXX.

3.0 Dimensions:

PAIGE PART #	CONDUCTOR SIZE	NUMBER OF CONDUCTORS	GROUNDING CONDUCTOR SIZE	AVERAGE INSULATION THICKNESS		JACKET THICKNESS	NOMINAL CABLE O.D.		CABLE WEIGHT (LB/MFT*)
	(AWG)		(AWG)	(mil)	(mil)	(mil)	Inches	mm	
020506	6	3	8	131.0	125	80	2.040 x 0.640	51.82 x 16.26	935
020504	4	3	8	163.5	125	80	2.230 x 0.690	56.64 x 17.53	1173
020502	2	3	6	183.5	125	80	2.480 x 0.750	62.99 x 19.05	1538
020501	1	3	4	175.0	125	80	2.630 x 0.780	66.80 x 18.81	1817
020510	1/0	3	4	200.0	125	80	2.816 x 0.830	71.53 x 21.08	2121
020520	2/0	3	4	221.5	125	80	3.015 x 0.880	76.58 x 22.35	2366

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