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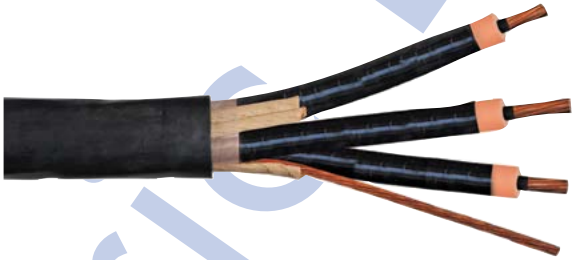
Paige pumpwire spec P7376N-SP

WE SPECIALIZE IN SUBMERSIBLES

SUBMERSIBLE PUMP NON-SHIELDED POWER CABLE 2400/5000 VOLT -TYPE MV-105 3 CONDUCTORS WITH GROUND



INSULATION: **(EPR) ETHYLENE-PROPYLENE RUBBER**

OUTER JACKET: **(PVC) POLYVINYL CHLORIDE OVERALL**

SIZES: **8 AWG - 1000 MCM, 90°C DRY / 90°C WET**

1.0 APPLICATIONS:

1.1 Multi-conductor Non-Shielded, power cables for the 2400V level with an overall jacket and rated for wet and dry locations. Suitable for use as a submersible cable. These cables are rated for used as submersible cables or can be installed in duct or conduit and in properly supported aerial installations.

2.0 CONSTRUCTION:

2.1 ***Conductors:***
Consist of uncoated soft, copper strands meeting the requirements of ASTM B3. Conductor shall be supplied as Class B compact per ASTM B496.

2.2 ***Conductor Shield:***
The Conductor Shield consists of an extruded semi-conducting layer.

2.3 ***Insulation:***
The insulation is ethylene-propylene rubber (EPR) extruded in a single pass with the conductor and insulation shields to the wall thickness.

2.4 ***Conductor Coding:***
Phase identification for multi-conductor cables is provided by a colored stripe on the insulation shield of each of the conductors (red, black, blue).

2.5 ***Ground:***
Standard multi-conductor cables include one bare copper ground in one of the outer cable interstices. The ground wire is sized per UL requirements. Custom ground wire sizes and configurations are available upon request.

2.6 ***Assembly:***
Conductors and ground wire are cabled together the required number of insulated non-shielded conductors and the ground wires (if applicable) with a left hand lay and suitable fillers are used in the interstices to round out the cable cross section. A mylar binder tape is applied overall.

2.7 ***Jacket:***
A sunlight and ozone resistant jacket of polyvinyl chloride (PVC) or chlorinated polyethylene (CPE) is extruded over the single and multi-conductor assembly.

3.0 STANDARDS AND RATINGS:

3.1 Conforms to ICEA S-93-639/NEMA WC71 Non-Shielded 2001V – 5kV Power Cable.

3.2 Cable listed by UL as Type MV-105 or MC per Standard 1072.

3.3 Listed by UL as Sunlight Resistant.

4.0 DIMENSIONS:

105°C CONDUCTOR TEMPERATURE, 100% OR 133% INSULATION LEVEL											
PAIGE PART #	CONDUCTOR				INSULATION	JACKET	SIZE AWG COPPER GROUND WIRE	APPROXIMATE O.D.		AP-PROX. WEIGHT	AMPACITY (1) 40°C AMBIENT TEMP.
	SIZE	No. of Insulated Conductors	No. of Strands	Nominal O.D.	mils	mils		inches	mm	lbs/ 1000 ft	
070800	8	3	7	0.14	90	80	8	1.00	25.4	520	66
070801	6	3	7	0.18	90	80	6	1.06	26.9	685	88
070802	4	3	7	0.23	90	80	6	1.16	29.4	890	115
070803	2	3	7	0.27	90	80	6	1.25	31.7	1175	154
070804	1	3	19	0.32	90	80	4	1.37	34.8	1455	180
070805	1/0	3	19	0.34	90	80	4	1.40	35.5	1685	205
070806	2/0	3	19	0.38	90	80	4	1.49	37.8	2000	240
070807	3/0	3	19	0.42	90	80	3	1.59	40.1	2425	280
070808	4/0	3	19	0.48	90	110	3	1.77	44.9	3010	320
070809	250	3	37	0.52	90	110	2	1.89	48.0	3530	355
070810	350	3	37	0.62	90	110	2	2.10	53.3	4535	440
070811	500	3	37	0.74	90	110	1	2.36	59.9	6330	545
070812	750	3	61	0.91	90	140	1/0	2.83	71.9	9310	685
070813	1000	3	61	1.12	90	140	2/0	3.27	83.0	12200	790

Ampacity based on one three conductor cable isolated in air per NEC.