904-543-1223, 800-997-2443, Fax: 904-543-1330, www.paigeelectric.com

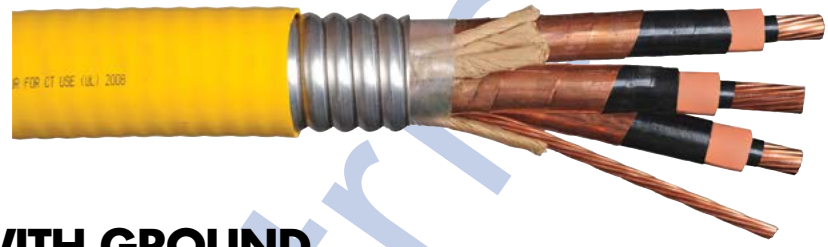
Paige pumpwire spec P7375-SP

WE SPECIALIZE IN SUBMERSIBLES

SUBMERSIBLE INTERLOCKED ARMORED PUMP CABLE SHIELDED 5KV TYPE MV-105 OR TYPE MC 3 CONDUCTORS WITH GROUND

SIZES: **8 AWG - 1000 MCM**

90°C Dry, 90°C Wet



1.0 APPLICATIONS:

1.1 Armored, shielded and UL listed wet and dry locations. Suitable for use as a submersible cable. Direct Burial rated.

2.0 CONSTRUCTION:

2.1 ***Conductor:***
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:***
Consists of an extruded semiconducting layer.

2.3 ***Insulation:***
The insulation is ethylene-propylene rubber (EPR) extruded concentrically over the conductor to the wall thickness.

2.4 ***Insulation Shielding:***
Consist of a semi-conducting extruded compound and a 5 mil bare copper metallic tape shield overlapped a minimum of 20%.

2.5 ***Conductor Coding:***
Phase identification is provided by a printed color stripe on each insulated conductor (red, black, white).

2.6 ***Ground:***
One stranded bare copper ground in one of the outer cable interstices. The ground wire is sized per NEC/UL requirements.

2.7 ***Assembly:***
Conductors and ground wire are cabled together with a left hand lay and suitable fillers to make the cable round. A binder tape is applied.

2.8 ***Armor:***
Over the taped assembly there is an interlocking armor of either aluminum or galvanized steel.

2.9 ***Jacket:***
A protective sunlight and ozone resistant jacket of polyvinyl chloride (PVC) or chlorinated polyethylene (CPE) is extruded for a tight fit over the interlocked armor.

3.0 STANDARDS AND RATINGS:

3.1 Conforms to ICEA S-93-639/NEMA WC74 Shielded Power Cable 5-46KV.

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

3.3 Listed by UL as Sunlight Resistant, for Direct Burial, For CT Use and IEEE 1202.

3.4 Listed by UL as For CT Use and LS (jacket only).

3.5 Conforms to ICEA T-29-520 210 KBTU/HR Vertical Tray Flame Test (PVC jacket only).

4.0 DIMENSIONS:

Paige Part Numbers	CONDUCTOR				Insulation	Jacket	Size AWG Cooper Ground Wire	Approximate O.D.		Approx. Weight	Ampacity (1) 40°C Ambient Temp.
	Size	No. of Insulated Conductos	No. of Strands	Nominal O.D.	mils	mils		inches	mm	lbs/ 1000 ft	
7375SP1	**8**	3	7	0.14	90	50	8	1.29	32.77	835	66
7375SP2	**6**	3	7	0.18	90	50	6	1.37	34.80	1025	88
7375SP3	**4**	3	7	0.23	90	50	6	1.46	37.08	1255	115
7375SP4	**2**	3	7	0.27	90	60	6	1.55	39.37	1565	154
7375SP5	**1**	3	19	0.32	90	60	4	1.69	49.93	1915	180
7375SP6	**1/0**	3	19	0.34	90	60	4	1.72	43.69	2150	205
7375SP7	**2/0**	3	19	0.38	90	60	4	1.81	45.97	2490	240
7375SP8	**3/0**	3	19	0.42	90	60	3	20.8	52.83	3045	280
7375SP9	**4/0**	3	19	0.48	90	60	3	2.19	55.63	3570	320
7375SP10	**250**	3	37	0.52	90	60	2	2.32	58.93	4130	355
7375SP11	**300**	3	37	0.61	90	75	2	2.54	64.52	4870	400
7375SP12	**350**	3	37	0.62	90	75	2	2.55	64.77	5370	440
7375SP13	**400**	3	37	0.71	90	75	1	2.75	69.85	6115	470
7375SP14	**500**	3	37	0.74	90	75	1	2.81	71.37	7145	545
7375SP15	**600**	3	61	0.87	90	75	1/0	3.19	81.03	8691	605
7375SP16	**750**	3	61	0.91	90	85	1/0	3.28	83.31	10260	685
7375SP17	**1000**	3	61	1.12	90	85	2/0	3.72	94.49	13295	790

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