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

Paige pumpwire spec P7375CLX-SP

WE SPECIALIZE IN SUBMERSIBLES

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

INSULATION: **EPR - Ethylene Propylene Rubber**

OUTER JACKET: **PVC - Polyvinyl Chloride**

SIZES: **8 AWG - 1000 MCM**

105°C Dry, 105°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 semi-conducting layer.

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

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 a continuous welded aluminum armor.

2.9 ***Jacket:***
A protective sunlight and ozone resistant jacket of polyvinyl chloride (PVC) is extruded for a tight fit over the welded 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 and UL 1309.

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	
7375CLXS1	**6**	3	7	0.178	90	50	6	1.57	9.9	1158	88
7375CLXS2	**4**	3	7	0.225	90	50	6	1.71	43.4	1460	115
7375CLXS3	**2**	3	7	0.283	90	60	6	1.88	47.6	1797	154
7375CLXS4	**1**	3	19	0.322	90	60	4	1.965	49.9	2066	180
7375CLXS5	**1/0**	3	19	0.362	90	60	4	1.99	50.5	2349	205
7375CLXS6	**2/0**	3	19	0.405	90	60	4	2.16	54.9	2716	240
7375CLXS7	**4/0**	3	19	0.512	90	60	3	2.44	62.0	3860	320
7375CLXS8	**250**	3	37	0.558	90	60	2	2.70	68.6	4409	355
7375CLXS9	**350**	3	37	0.62	90	75	2	2.82	71.6	5452	440
7375CLXS10	**500**	3	37	0.79	90	75	1	3.13	79.5	7328	545
7375CLXS11	**750**	3	61	0.968	90	85	1/0	3.71	94.2	10741	685

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