



5KV SUBMERSIBLE INTERLOCKED ARMORED PUMP CABLE SHIELDED TYPE MV-90 OR TYPE MC

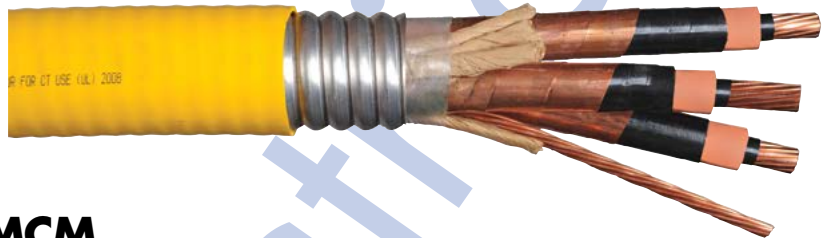
3 CONDUCTORS WITH GROUND

INSULATION: **XLPE**

OUTER JACKET: **PVC**

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 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:

Consists of an extruded semiconducting layer

2.3 Insulation:

Cross-linked polyethylene (XLP) extruded concentrically over the conductor to the wall thickness. (100% and 133% insulation level.)

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.

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.

2.10 Temperature:

90°C – Per ICEA S-66-534/ NEMA WC-7.

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-90 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 mils	Jacket mils	Size AWG Cooper Ground Wire	Approximate O.D.		Approx. Weight lbs/ 1000 ft	Ampacity (1) 40°C Ambient Temp.
	Size	No. of Insulated Conductos	No. of Strands	Nominal O.D.				inches	mm		
7308SP1	8	3	7	0.14	90	50	8	1.29	32.77	810	59
7308SP2	6	3	7	0.18	90	50	6	1.37	34.80	990	79
7308SP3	4	3	7	0.23	90	50	6	1.46	37.08	1215	105
7308SP4	2	3	7	0.27	90	60	6	1.55	39.37	1525	140
7308SP5	1	3	19	0.32	90	60	4	1.69	49.93	1865	160
7308SP6	1/0	3	19	0.34	90	60	4	1.72	43.69	2100	185
7308SP7	2/0	3	19	0.38	90	60	4	1.81	45.97	2440	215
7308SP8	3/0	3	19	0.42	90	60	3	20.8	52.83	2985	250
7308SP9	4/0	3	19	0.48	90	60	3	2.19	55.63	3510	285
7308SP10	250	3	37	0.52	90	60	2	2.32	58.93	4060	320
7308SP11	300	3	37	0.61	90	75	2	2.54	64.52	4790	355
7308SP12	350	3	37	0.62	90	75	2	2.55	64.77	5290	395
7308SP13	400	3	37	0.71	90	75	1	2.75	69.85	6025	420
7308SP14	500	3	37	0.74	90	75	1	2.81	71.37	7050	485
7308SP15	600	3	61	0.87	90	75	1/0	3.19	81.03	8580	540
7308SP16	750	3	61	0.91	90	85	1/0	3.28	83.31	10150	615
7308SP17	1000	3	61	1.12	90	85	2/0	3.72	94.49	13155	705

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