



**SUBMERSIBLE PUMP
 POWER CABLE
 5kV MV - 90°C SHIELDED
 100% and 133%
 5000 VOLT COPPER XLP**

INSULATION: (XLP) CROSS-LINKED POLYETHYLENE

JACKET: (PVC) POLYVINYL CHLORIDE OVERALL

SIZES: 8 AWG - 750 MCM, 3 CONDUCTOR, 90°C WET/DRY

1.0 APPLICATIONS:

1.1 This specification covers the requirements for 5000 volts MV-90 in unshielded constructions. The cables UL listed for both wet and dry locations and is good for use in a submersible pump application.

2.0 NON-SHIELDED CONSTRUCTION:

2.1 Conductor:
 3 Class B phase identified stranded copper conductors

2.2 Conductor Shield:
 extruded conductor shield

2.3 Insulation:
 heat and moisture resistant cross-linked polyethylene (type XLP).

3.0 SHIELDED CONSTRUCTION:

3.1 Conductor:
 3 Class B phase identified stranded copper conductors

3.2 Conductor Shield:
 extruded conductor shield

3.3 Insulation:
 heat and moisture resistant cross-linked polyethylene (100% and 133% insulation level).

4.0

3.4 Shield:

- a) semi-conducting insulation shield
- b) copper shield

SHIELD/NON-SHIELDED CONSTRUCTION

4.1 Jacket:
 overall polyvinyl chloride (PVC)

4.2 Fillers:
 3 conductors cabled together with suitable fillers

4.3 Ground:
 1 bare copper ground

4.4 Armor:
 core covered with binder tape

4.5 Jacket:
 flame and sunlight resistant black PVC jacket. (Jacket available under armor and in other colors.

4.6 Color Code:
 K-2/other color codes available

4.7 Temperature:
 90°C
 Per ICEA S-66-524/NEMA WC-7

4.8 Underwriters' Laboratories Approval:
 UL 1072

3.0

Paige Part Numbers	Size	No. of Strands	Conductor		Approx. Diameter Over Single Cond.	Copper Grounding	PVC Jacket	Approx. Diameter Overall	Approx. Net WT.	Ampacity
	AWG or MCM		Insulation Thickness	Jacket Thickness	Inch	AWG	MILS	Inch	lbs	40°C Ambient
NON-SHIELDED										
7311SP1	8+	7	110	–	.39	8	80	1.000	610	59
7311SP2	6	7	110	–	.42	6	80	1.063	771	79
7311SP3	4	7	110	–	.47	6	80	1.170	979	105
7311SP4	2	7	110	–	.53	6	80	1.300	1277	140
7311SP5	1/0	19	110	–	.62	4	80	1.490	1787	185
7311SP6	2/0	19	110	–	.66	4	80	1.580	2092	215
7311SP7	4/0	19	110	–	.77	3	110	1.880	3090	285
7311SP8	250	37	120	–	.83	3	110	2.000	3640	320
7311SP9	350	37	120	–	.94	2	110	2.240	4762	395
7311SP10	500	37	120	–	1.05	1	110	2.480	6397	485
7311SP11	750	61	130	–	1.27	1/0	140	3.010	9079	615
SHIELDED										
7311SP1S	8	7	90	60	.56	8	80	1.360	1006	59
7311SP2S	6	7	90	60	.60	6	80	1.450	1141	79
7311SP3S	4	7	90	60	.65	6	110	1.620	1423	105
7311SP4S	2	19	90	60	.71	6	110	1.750	1865	140
7311SP5S	1	19	90	60	.77	4	110	1.880	2129	160
7311SP6S	1/0	19	90	60	.81	4	110	1.960	2405	185
7311SP7S	2/0	19	90	80	.87	4	110	2.090	2868	215
7311SP8S	4/0	37	90	80	.98	3	110	2.330	3848	285
7311SP9S	250	37	90	80	1.05	3	110	2.480	4418	320
7311SP10S	350	37	90	80	1.12	2	140	2.690	5592	395
7311SP11S	500	61	90	80	1.25	1	140	2.970	7338	485
7311SP12S	750	90	90	80	1.45	1/0	140	3.400	10074	615

*Per NEC Table 310-71. Based on one 3 conductor cable.

+8 gauge not UL listed.

NOTE: The data shown is approximate and subject to standard industry tolerances.