



**SUBMERSIBLE PUMP
 5000V MV-90**



XLP Power Cable, Non-Shielded

INSULATION: (XLPE) CROSS-LINKED POLYETHYLENE

JACKET: Overall PVC Sunlight Resistant Black

CONDUCTORS: MV-90 rated 90°C Wet or Dry 2400 Volts (5000V+) per UL 1072

SIZES: 6 AWG - 350 MCM



1.0 APPLICATIONS:

1.1 For use primarily in raceways and cable trays in industrial applications as specified by the National Electric Code. These cables are capable of continuous operation at a maximum conductor temperature of 90°C for normal operation. Cables are rated 2,400 volts and 90°C in wet or dry locations.

2.0 CONSTRUCTION:

2.1 Conductor:
 Class B, Compact, Concentric Stranded Bare Copper per ASTM B3 & B496

2.2 Conductor Shield:
 The conductor shall be shielded with an extruded semi-conducting, thermosetting polymeric layer over the conductor, applied in tandem with and firmly bonded to the insulation

2.3 Insulation:
 Cross-Linked Polyethylene (XLP)

2.4 Ground:
 PVC/Nylon (THHN/THWN) per UL 83; Stranding per ASTM B3, B787 (19-Strand Combination Unilay)

2.5 Assembly:
 The insulated conductors and ground are cabled together with non-wicking fillers. A binder tape is helically applied over the cabled assembly. An overall PVC jacket is extruded over the binder tape.

2.6 Jacket:
 Black, Sunlight Resistant Polyvinyl Chloride (PVC)

2.7 Surface Print:
 PAIGE PUMP CABLE P7311A-SP (UL E66602 4/0 AWG CMPCT CU 3/C XLP 2400V NON-SHIELDED 90C WET OR DRY 3 AWG GRN GND MV-90 SUN RES --- 5000V ICEA [YEAR] [SEQ. FTG. MARKS])

3.0 STANDARDS:

3.1 UL 1072 - Type MV-90 Power Cables

3.2 ICEA S-96-659 (NEMA WC 71) - Non-Shielded Cables rated 2001-5000 Volts for use in the Distribution of Electrical Energy*

4.0 DIMENSIONS:

PAIGE PART #	CONDUCTOR			INSULATION THICKNESS	GROUND WIRE		Overall Jacket Thickness	Overall Size AWG or Nom. OD	Nom. Weight (Lbs/Mft)	Ampacity
	Size AWG or Nom. OD KCMIL	No. of Strands	Nominal O.D.	mils	Size - Strand (AWG)	PVC/ Nylon				
070690	6	7	169	90	6-19	30/5	80	1022	705	75
070700	4	7	213	90	6-19	30/5	80	1117	894	97
070705	2	7	268	90	6-19	30/5	80	1236	1184	130
070710	1	19	299	90	4-19	40/6	80	1303	1254	155
070715	1/0	19	336	90	4-19	40/6	80	1383	1676	180
070720	2/0	19	376	90	4-19	40/6	80	1469	2002	205
070730	4/0	19	475	90	3-19	40/6	110	1743	2934	280
070745	350	37	616	90	2-19	40/6	110	2063	4536	385

All dimensions are nominal and subject to normal manufacturing tolerances. Unit of Measure is mils unless noted otherwise. Ampacity of an Insulated Triplexed or Three Single-Conductor Copper Cables in Isolated Conduit in Air Based on Conductor Temperatures of 90°C and 105°C and Ambient Air Temperature of 40°C per 2011 NEC Table 310.60(C)(73)