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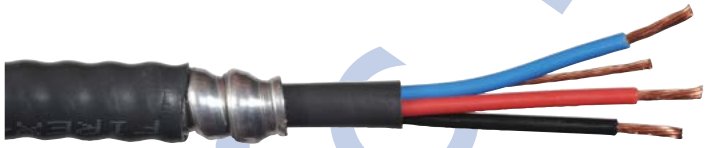
Paige pumpwire spec P7366-SP

WE SPECIALIZE IN SUBMERSIBLES

600/1000V SUB-TECK ARMORED PUMP CABLE 3 CONDUCTORS W/GROUND



INSULATION: **XLPE-CROSS-LINKED POLYETHYLENE**

INSULATION JACKET: **PVC-POLYVINYL CHLORIDE**

OUTER JACKET: **PVC –POLYVINYL CHLORIDE**

ARMOR: **INTERLOCKING ALUMINUM/GALVANIZED STEEL**

SIZES: **14 AWG - 750 MCM,** 90°C WET / 90°C DRY

RoHS COMPLIANT

1.0 APPLICATIONS:

1.1 Armored and designed for maximum continuous conductor temperature of 90°C with emergency overload of 130°C and a short circuit condition of 250°C, type Teck90. Suitable for severe conditions in industrial application and wet locations. Cables may be installed in racks, trays ladders and cable troughs, are rated for hazardous locations and suitable for use as a submersible cable.

2.0 FEATURES:

- Rated for Hazardous locations
- Excellent mechanical and physical properties
- Sunlight and oil resistant jacket
- Suitable for direct burial
- Suitable for use in cable tray and embedment in concrete.

3.0 CONSTRUCTION:

3.1 ***Conductors:***
Bare, annealed copper Class B stranded in accordance with ASTM B-8. In sizes 8AWG to 750 MCM, the conductors are stranded to reduce cable diameter and weight.

3.2 ***Insulation:***
Cross-linked polyethylene. Meets CSA C22.2 No. 38 type RW90 for unshielded.

3.3 ***Conductor Coding:***
14 AWG to 2 AWG: Colored Insulation. 1 AWG and larger: printed color stripe.

3.4 ***Assembly:***
Conductors are cabled in concentric layers with grounding wire, interstices are filled with suitable non-hygroscopic fillers, as required. A binder tape of synthetic material assembles the core in an essentially round configuration, as required.

3.5 ***Inner Jacket:***
Black polyvinyl chloride jacket per CSA C22.2 No. 131-M89, 90°C temperature rating, flame-retardant, low-acid-gasemitting..

3.6 ***Armor:***
Interlocking aluminum tape armor applied directly over the inner jacket.

3.7 ***Outer Jacket:***
Overall polyvinyl chloride jacket per CSA C22.2 No. 131-M89, low acid gas emission, limited flame spread and excellent corrosion resistance. Jacket color is black for 600V and 1kV cables.

3.0 CABLE DATA:

Paige Part #	Conductor Size	Insulation Thickness	Insulation Thickness		Inner Jacket Thickness		Nominal Diameter Over Inner Jacket		Nominal Diameter Over Armor		Nominal Diameter Outer Jacket		Approximate Net Cable Weight		Ampacity 30°C Ambient
	AWG/ MCM	mils	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	lb/ kft	kg/ KM	amps
180741	14	14	0.045	1.14	0.045	0.14	0.448	11.380	0.685	17.400	0.770	19.560	247	367	15
180749	12	14	0.045	1.14	0.045	0.14	0.503	12.770	0.735	18.670	0.821	20.850	297	441	20
180745	10	12	0.045	1.14	0.060	1.52	0.576	14.630	0.807	20.500	0.891	22.630	381	567	30
180743	8	10	0.045	1.14	0.060	1.52	0.627	15.930	0.855	21.720	0.942	23.930	491	730	45
180742	6	8	0.060	1.52	0.060	1.52	0.766	19.440	1.035	26.290	1.125	28.580	644	959	65
180754	4	8	0.060	1.52	0.080	2.03	0.904	22.960	1.176	29.870	1.265	32.130	924	1375	85
7366SP1	3	6	0.060	1.52	0.080	2.03	0.964	24.480	1.236	31.390	1.326	33.680	1026	1526	105
180757	2	6	0.060	1.52	0.080	2.03	1.026	26.050	1.300	33.020	1.388	35.260	1274	1896	120
180753	1	6	0.080	2.03	0.080	2.03	1.182	30.030	1.457	37.010	1.547	39.290	1539	2291	140
7366SP2	1/0	6	0.080	2.03	0.080	2.03	1.263	32.080	1.537	39.040	1.630	41.400	1796	2672	155
180758	2/0	6	0.080	2.03	0.080	2.03	1.348	34.230	1.621	41.170	1.729	43.920	2165	3222	185
7366SP3	3/0	4	0.080	2.03	0.080	2.03	1.45	36.820	1.725	43.820	1.835	46.610	2571	3827	2110
7366SP4	4/0	4	0.080	2.03	0.080	2.03	1.567	39.800	1.815	46.100	1.925	48.900	3196	4733	235
7366SP5	250	4	0.090	2.29	0.110	2.79	1.768	44.910	2.120	53.850	2.250	57.150	3830	5700	265
7366SP6	300	4	0.090	2.29	0.110	2.79	1.877	47.670	2.235	56.770	2.367	60.120	4382	6520	295
7366SP7	350	3	0.090	2.29	0.110	2.79	1.976	50.200	2.330	59.180	2.462	62.530	4990	7426	325
7366SP8	400	3	0.090	2.29	0.110	2.79	2.074	52.680	2.422	61.520	2.554	64.870	5534	8235	345
7366SP9	500	3	0.090	2.29	0.110	2.79	2.241	56.920	2.595	65.910	2.757	70.030	6674	9932	395
7366SP10	600	2	0.090	2.29	0.110	2.79	2.408	61.170	2.758	70.050	2.935	74.550	7747	11528	455
7366SP11	750	2	0.090	2.29	0.110	2.79	2.614	66.400	2.959	75.160	3.121	79.270	9596	14281	500

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