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

Paige® oil & gas spec P7377-SP-OG

fracking, methane gas & oil pumpwire

ARMORED METHANE CABLE 600 VOLT 3 AND 4 CONDUCTOR WITH GROUND

INSULATION: **XHHW**
ARMOR: **AIA**
JACKET: **(PVC) POLYVINYL CHLORIDE**
SIZES: **8 - 1000 MCM, 90°C WET/ 75°C DRY**

1.0 APPLICATIONS:

1.1 Aluminum Interlock Armored cable with overall PVC jacket is rated for use in Deep Well Submersible Methane Gas.

1.2 The cables meet the requirements for application in Hazardous Locations. The cables are intended for use in industrial applications in wet or dry locations, installed in racks, trays or aerially. These cables have an overall jacket and can be direct buried and/or buried in concrete.

2.0 CONSTRUCTION:

2.1 ***Conductors:***
The conductors consist of uncoated soft copper strands meeting the requirements of ASTM B-3. Unless otherwise specified the conductors are supplied as Class B compressed per ASTM B-8.

2.2 ***Insulation:***
The insulation is flame-retardant cross-linked polyethylene (XHHW-2) extruded concentrically over the conductor to the wall thickness for Type XHHW-2 as specified.

2.3 ***Conductor Coding:***
Phase identification is provided by number code on each insulted conductor.

2.4 ***Ground Wire:***
80 mils (0.080 inches) (2.03mm) of heat and moisture resistant, polyvinyl chloride (PVC) integral filled inner jacket.

2.5 ***Assembly:***
80 mils (0.080 inches) (2.03mm) of heat and moisture resistant, polyvinyl chloride (PVC) integral filled inner jacket.

2.6 ***Inner Jacket:***
Where specified an inner polyvinyl chloride (PVC) jacket is extruded over the assembly and under the protective armor.

2.7 ***Armor:***
Over the core assembly there is an interlocking armor of of either aluminum or galvanized steel as specified.

2.8 ***Jacket:***
A protective sunlight and ozone resistant jacket of polyvinyl chloride (PVC) is extruded for a tight fit over the interlocked armor.

2.9 ***Approvals:***

UL 44:
Thermoset-Insulated Wires & Cables
UL 159:
Metal Clad Cables

3.0 *Physical:*

Paige Part Numbers	Conductor				Insulation Thickness		Jacket Thickness		Size AWG Copper Ground Wire	Approximate O.D.		Approximate Weight	Ampacity (!) 30°C Ambient Temperature
	SIZE (AWG)	No. of Insulated Conductors	Number of Strands	Nominal O.D.	Inches	mm	Inches	mm	Inches	Inches	mm	lbs/1000 ft	
7377SPOG1	8	3	7	0.14	0.045	1.143	0.050	1.270	8	0.92	23.368	425	55
7377SPOG2	6	3	7	0.18	0.045	1.143	0.050	1.270	8	0.98	24.892	550	75
7377SPOG3	4	3	7	0.23	0.045	1.143	0.050	1.270	8	1.01	25.654	730	95
7377SPOG4	2	3	7	0.28	0.045	1.143	0.050	1.270	6	1.14	28.596	1050	130
7377SPOG5	1	3	19	0.32	0.055	1.397	0.050	1.270	6	1.36	34.544	1285	150
7377SPOG6	1/0	3	19	0.36	0.055	1.397	0.050	1.270	6	1.45	36.830	1530	170
7377SPOG7	2/0	3	19	0.41	0.055	1.397	0.050	1.270	6	1.56	39.624	1835	195
7377SPOG8	3/0	3	19	0.46	0.055	1.397	0.050	1.270	4	1.70	43.180	2265	225
7377SPOG9	4/0	3	19	0.51	0.055	1.397	0.060	1.524	4	2.02	51.308	2770	260
7377SPOG10	250	3	37	0.56	0.065	1.651	0.060	1.524	4	2.13	54.102	3330	290
7377SPOG11	300	3	37	0.61	0.065	1.651	0.060	1.524	3	2.24	56.896	3900	320
7377SPOG12	350	3	37	0.66	0.065	1.651	0.060	1.524	3	2.34	59.436	4445	350
7377SPOG13	400	3	37	0.71	0.065	1.651	0.060	1.524	3	2.54	64.516	4980	380
7377SPOG14	500	3	37	0.79	0.065	1.651	0.075	1.905	2	2.78	70.612	6150	430
7377SPOG15	600	3	61	0.87	0.080	2.032	0.075	1.905	2	3.00	76.200	7315	475
7377SPOG16	750	3	61	0.97	0.080	2.032	0.075	1.905	1	3.34	84.836	8965	535
7377SPOG17	1000	3	61	1.12	0.080	2.032	0.085	2.159	1/0	3.49	88.646	11705	615
7377SPOG18	8	4	7	0.14	0.045	1.143	0.050	1.270	8	0.98	24.892	505	44
7377SPOG19	6	4	7	0.18	0.045	1.143	0.050	1.270	8	1.04	24.416	675	60
7377SPOG20	4	4	7	0.23	0.045	1.143	0.050	1.270	8	1.10	27.940	915	76
7377SPOG21	2	4	7	0.28	0.045	1.143	0.050	1.270	6	1.24	31.496	1305	104
7377SPOG22	1	4	19	0.32	0.055	1.397	0.050	1.270	6	1.39	35.306	1610	120
7377SPOG23	1/0	4	19	0.36	0.055	1.397	0.050	1.270	6	1.48	37.592	1930	136
7377SPOG24	2/0	4	19	0.41	0.055	1.397	0.050	1.270	6	1.59	40.386	2325	156
7377SPOG25	3/0	4	19	0.46	0.055	1.397	0.050	1.270	4	1.73	43.942	2905	180
7377SPOG26	4/0	4	19	0.51	0.055	1.397	0.060	1.524	4	2.03	51.562	3620	208
7377SPOG27	250	4	37	0.56	0.065	1.651	0.060	1.524	4	2.20	55.880	4235	232
7377SPOG28	300	4	37	0.61	0.065	1.651	0.060	1.524	3	2.33	59.182	4970	256
7377SPOG29	350	4	37	0.66	0.065	1.651	0.060	1.524	3	2.48	62.992	5750	280
7377SPOG30	400	4	37	0.71	0.065	1.651	0.060	1.524	3	2.59	65.786	6460	304
7377SPOG31	500	4	37	0.79	0.065	1.651	0.075	1.905	2	2.79	70.866	7885	344
7377SPOG32	600	4	61	0.87	0.080	2.032	0.075	1.905	2	3.05	77.470	9410	380
7377SPOG33	750	4	61	0.97	0.080	2.032	0.075	1.905	1	3.32	84.328	11615	428
7377SPOG34	1000	4	61	1.12	0.080	2.032	0.085	2.159	1/0	3.68	93.472	15115	492