



**ROUND SUBMERSIBLE FLEXIBLE MULTI-CONDUCTOR  
 POWER CABLE  
 TYPE P UNARMORED**



INSULATION: **XLPO**  
 OUTER JACKET: **XLCP**  
 SIZES: **16 AWG - 777 MCM,**  
**3-4 CONDUCTORS**  
 600/1000 VOLTS, 125°C



**1.0 APPLICATIONS:**

**1.1** Extra flexible unarmored multi-conductor power cable. Applicable for offshore oil and gas drilling platforms, MODUs, ships and FPSOs, land-based oil and gas drilling rigs. Suitable for use in Class 1 Division 1 and Zone 1 environments. Mud and Oil resistant.

**2.0 FEATURES:**

- Meets NEK 606 mud oil resistance requirements including ester-based muds
- Meets UL 2225 crush and impact requirements of Type MC-HL cables
- Flexible stranding to facilitate ease of cable installation and termination
- Temperature rated @ 125°C for long life, higher ampacities and protection from thermal overloads
- Meets cold bend test at -55°C
- Meets cold impact test at -40°C

**3.0 CONSTRUCTION:**

- 3.1 Conductor:**  
 8 AWG thru 777 KCMIL soft annealed flexible stranded tinned coated copper.
- 3.2 Insulation:**  
 Irradiated Cross-Linked Polyolefin (XLPO)
- 3.3 Cable Code:**  
 Color coding of power conductors per IEEE 1580 Table 22.

**3.4 Cable Core:**

Core binder tape when required. Cabled with fillers when required.

**3.6 Options:**

Other color codes available upon request.

**4.0 COMPLIANCES: (Industry)**

- API-RP14F
- CSA C22.2 No. 245 Type x110
- IEE 1580 Type P
- IEC 60092-3
- NEK 606 for mud oil resistance
- UL 1309 Type X110
- UL Listed 110°C Marine Shipboard Cable

**4.1 Flame Test:**

- IEEE 383
- IEEE 1202
- IEC 60332-3-22 Cat. A (supersedes IEC 60332-3A)
- CSA C22.2 No. 0.3 FT4

**4.2 Approvals:**

- ABS
- DNV
- CSA
- Lloyds Register (UL)
- ETL
- IEC

## 5.0 Three Conductor

Paige Part Number	Conductor Size	Nominal O.D.	Cable Weight	DC Resistance at 25°C	AC Resistance 110°C, 60 Hz	Inductive Reactance	Voltage Drop 110°C	Opt. Un-insulated Grounding Cond. Size	Ampacity 110°C	Ampacity 100°C	Ampacity 95°C
	AWG)	Inches	LB/ MFT*	Ohms/ 1000 ft.	Ohms/ 1000 ft.	Ohms/ 1000 ft.	Volts/ AMP/ 1000 ft.	AWG			
P7279TP-SP-OG-1	16	0.369	65	4.610	6.121	0.039	8.511	-	17	16	16
P7279TP-SP-OG-2	14	0.401	102	2.907	3.859	0.036	5.379	-	27	25	22
P7279TP-SP-OG-3	12	0.445	133	1.826	2.424	0.034	3.390	-	33	31	27
P7279TP-SP-OG-4	10	0.488	189	1.153	1.530	0.032	2.151	-	44	41	36
P7279TP-SP-OG-5	8	0.637	274	0.708	0.940	0.034	1.336	-	56	52	48
P7279TP-SP-OG-6	6	0.723	390	0.445	0.590	0.032	0.850	8	75	70	64
P7279TP-SP-OG-7	4	0.942	678	0.300	0.399	0.029	0.582	8	99	92	85
P7279TP-SP-OG-8	2	1.084	987	0.184	0.244	0.028	0.366	6	131	122	113
P7279TP-SP-OG-9	1	1.206	1234	0.147	0.195	0.028	0.299	6	153	143	131
P7279TP-SP-OG-10	1/0	1.326	1448	0.117	0.156	0.028	0.245	6	176	164	152
P7279TP-SP-OG-11	2/0	1.422	1945	0.093	0.125	0.027	0.200	6	201	188	175
P7279TP-SP-OG-12	3/0	1.528	2379	0.074	0.100	0.027	0.166	4	234	218	202
P7279TP-SP-OG-13	4/0	1.765	2864	0.058	0.080	0.026	0.138	4	270	252	235
P7279TP-SP-OG-14	262	1.980	3452	0.048	0.067	0.026	0.119	3	315	294	267
P7279TP-SP-OG-15	313	2.131	4023	0.040	0.056	0.026	0.105	3	344	321	299
P7279TP-SP-OG-16	373	2.231	4772	0.034	0.047	0.025	0.092	3	387	361	334
P7279TP-SP-OG-17	444	2.394	5670	0.028	0.041	0.025	0.083	2	440	411	372
P7279TP-SP-OG-18	535	2.637	6784	0.024	0.035	0.026	0.075	2	498	443	418
P7279TP-SP-OG-19	646	2.958	7961	0.020	0.030	0.026	0.068	1	553	516	470
P7279TP-SP-OG-20	777	3.168	9573	0.016	0.026	0.026	0.068	1	602	562	529

Cable diameters shown are nominal are subject to a  $\pm 5\%$  manufacturing tolerance.