

ROUND SUBMERSIBLE FLEXIBLE MULTI-CONDUCTOR POWER CABLE TYPE P ARMORED & SHEATHED

INSULATION: **XLPO**

OUTER JACKET: **XLCP**

SIZES: **8 AWG – 777 MCM**

3 & 4 CONDUCTORS

600/1000 VOLTS, 110°C



1.0 Applications

- 1.1 Extra flexible armored and sheathed 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 @ 110°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
- CSA listed as Marine Shipboard Cable

3.0 Construction

3.1 Conductors:

8 AWG thru 777 KCMIL soft annealed flexible stranded tinned coated copper

3.2 Insulation:

Flame Retardant Cross-Linked Polyolefin (XLPO), meeting the requirements for type P of IEEE 1580 and Type X110 of UL 1309/CSA C22.2 no. 245
Color coding of power conductors per IEEE 1580 Table 22.

3.3 Cable Core:

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

3.4 Sheath:

Black arctic grade, flame retardant, oil abrasion, chemical and sunlight resistant thermosetting compound Chlorosulfonated Polyethylene:

3.5 Armor:

Basket weave wire bronze armor.
Tinned copper .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

Flame Test:

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

4.1 Approvals:

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

5.0 DIMENSIONS

PAIGE PART #	SIZE AWG KCMIL	CDRS	NOMINAL DIAMETER	CABLE WEIGHT	DC RESISTANCE AT 25°C	AC RESISTANCE AT 11060 HZ°C	INDUCTIVE REACTANCE	VOLTAGE DROP VOLTS, AMPS/1000FT	UNINSULATED GROUNDING CONDUCTOR SIZE AWG	AMPACITY		
			Inches	(LB/MFT*)	OHMS/1000 FT	OHMS/1000 FT	OHMS/1000 FT			110C	100°C	95°C
0703150	8	3	0.818	477	0.708	0.940	0.034	1.336		56	52	48
0703152	6	3	0.946	650	0.445	0.590	0.032	0.850	8	75	70	64
0703160	4	3	1.165	1004	0.300	0.399	0.029	0.582	8	99	92	85
0703176	2	3	1.307	1374	0.184	0.244	0.028	0.366	6	131	122	113
0703177	1	3	1.431	1675	0.147	0.195	0.028	0.299	6	153	143	131
0703178	1/0	3	1.550	2015	0.117	0.156	0.028	0.245	6	176	164	152
0703180	2/0	3	1.645	2424	0.093	0.125	0.027	0.200	6	201	188	175
0703183	3/0	3	1.814	3106	0.074	0.100	0.027	0.166	4	234	218	202
0703185	4/0	3	2.050	3652	0.058	0.080	0.026	0.138	4	270	252	235
0703186	262	3	2.266	4434	0.048	0.067	0.026	0.119	3	315	294	267
0703187	313	3	2.418	4919	0.040	0.056	0.026	0.105	3	344	321	299
0703188	373	3	2.517	5718	0.034	0.047	0.025	0.092	3	387	361	334
0703189	444	3	2.680	6864	0.028	0.041	0.025	0.083	2	440	411	372
0703190	535	3	2.986	8250	0.024	0.035	0.026	0.075	2	498	443	418
0703191	646	3	3.301	9258	0.020	0.030	0.026	0.068	1	553	516	470
0703193	777	3	3.511	10945	0.016	0.026	0.026	0.063	1	602	562	529
0703194	8	4	0.921	591	0.708	0.940	0.037	1.339		56	52	48
0703192	6	4	0.017	808	0.445	0.590	0.035	0.853	8	75	70	64
0703195	4	4	1.258	1236	0.300	0.399	0.032	0.585	8	99	82	85
0703196	2	4	1.417	1677	0.184	0.244	0.030	0.369	6	131	122	113
0703197	1	4	1.555	2144	0.147	0.195	0.031	0.302	6	153	143	131
0703199	1/0	4	1.750	2434	0.117	0.156	0.030	0.248	6	176	164	152
0703198	2/0	4	1.859	3050	0.093	0.125	0.030	0.203	6	201	188	175
0703200	3/0	4	2.040	4003	0.074	0.100	0.029	0.168	4	234	218	202
0703201	4/0	4	2.249	4670	0.058	0.080	0.029	0.140	4	270	252	235
0703202	262	4	2.490	5610	0.048	0.067	0.029	0.122	3	315	294	267
0703203	313	4	2.659	6395	0.040	0.056	0.028	0.107	3	344	321	299
0703204	373	4	2.838	7576	0.034	0.047	0.028	0.095	3	387	361	334
0703205	444	4	3.002	8760	0.028	0.041	0.028	0.086	2	440	411	372
0703206	535	4	3.338	10570	0.024	0.035	0.028	0.077	2	463	443	418
0703207	646	4	3.620	11840	0.020	0.030	0.029	0.071	1	553	516	470