



Offshore and
Onshore RIG
Cables

IEEE 1580 Type P MOR® Polyrad® XT-125 Armored & Sheathed



Flexible Multi-Conductor Power Armored & Sheathed 600 V/1000 V



Product Construction:

1. Conductor:

- 8 AWG thru 777 kcmil soft annealed tinned copper flexible strand

2. Insulation:

- Polyrad® XT-125 Irradiated Cross-linked Polyolefin (XLPO)
- Color Code: Per IEEE 1580 Table 22

3. Cable Core:

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

4. Jacket:

- Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)

5. Armor:

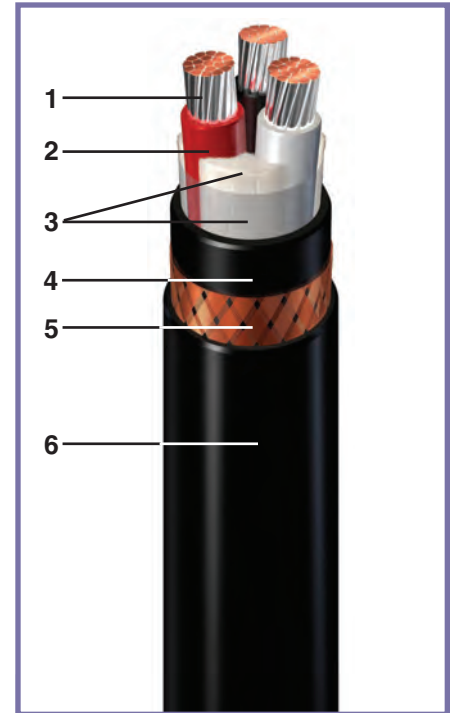
- Bronze braid 88% minimum coverage

6. Sheath:

- Mud Oil-Resistant, Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)

7. Print: (Including but not limited to)

- MOR® POLYRAD® XT-125 (UL) E85994 BR782B 110C XX/C XXAWG --
(CSA) LL 9755 SPEC 245/1309 FT4 -40C SR 600/1000 V -- IEC 1 KV 60332.3A
IEEE 1580 TYPE P (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK



Applications:

- Offshore oil and gas drilling platforms, MODUs, ships and FPSOs
- Land-based oil and gas drilling rigs
- Suitable for use in Class I, Division 1 and Zone 1 Hazardous Locations when installed in accordance with API-RP14F

Features:

- Meets NEK 606 mud oil resistance requirements with 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

Compliances:

Industry:

- API-RP14F
- CSA C22.2 No. 245 Type X110
- IEEE 1580-2010 Type P
- IEC 60092-350
- Mud oil-resistant
- UL 1309 Type X110
- UL Listed 110°C Marine Shipboard Cable

Flame Test:

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



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CATALOG NUMBER	# OF CORES	COND. SIZE (AWG)	NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT		AMPACITIES ¹ 45°C AMBIENT-SINGLE BANKED			
			INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
356960	2	8	0.770	19.56	92	137	423	629	62	64	69	77
326140	2	6	0.880	22.35	153	228	576	857	82	85	91	111
356970	2	5	1.025	26.04	233	347	777	1156	96	101	109	147
321820	2	4	1.115	28.32	249	371	871	1296	105	110	118	153
356980	2	3	1.115	28.32	337	501	1008	1500	126	132	141	180
326150	2	2	1.200	30.48	388	577	1104	1643	143	149	160	196
356990	2	1	1.375	34.93	537	799	1456	2167	162	174	186	245
357000	2	1/0	1.450	36.83	716	1065	1720	2559	191	199	213	278
357010	2	2/0	1.565	39.75	830	1235	1981	2948	232	242	259	309
286660	2	3/0	1.795	45.59	1193	1775	2665	3966	255	265	284	382
357020	2	4/0	1.860	47.24	1340	1994	2911	4332	295	307	329	432
357030	2	262	2.030	51.56	1618	2408	3515	5230	345	358	378	481
357040	2	313	2.150	54.61	1878	2794	3951	5879	378	391	420	539
387840	2	373	2.270	57.66	2231	3320	4511	6712	440	456	497	599
387850	2	444	2.370	60.20	2691	4004	5157	7674	486	504	556	669
387860	2	535	2.610	66.29	3244	4827	6179	9194	546	566	625	741
14444.026800 ²	2	646	2.845	72.26	3827	5695	7245	10781	603	625	649	944
14444.027000 ²	2	777	3.025	76.84	4628	6886	8427	12539	674	699	784	951
279240	3	8	0.845	21.46	138	205	514	765	50	52	56	63
279260	3	6	0.930	23.62	230	342	666	991	67	70	75	91
357050	3	5	1.125	28.58	349	519	951	1415	78	82	88	120
287700	3	4	1.160	29.46	374	557	1027	1528	87	92	99	126
357060	3	3	1.215	30.86	505	751	1205	1793	103	108	116	148
281220	3	2	1.265	32.13	581	865	1323	1969	116	122	131	161
293880	3	1	1.450	36.83	806	1199	1749	2603	137	143	153	202
281230	3	1/0	1.545	39.24	1074	1598	2110	3140	157	164	176	229
318840	3	2/0	1.730	43.94	1245	1853	2520	3750	180	188	201	254
286670	3	3/0	1.865	47.37	1790	2664	3102	4616	209	218	233	313
326160	3	4/0	2.030	51.56	2009	2989	3689	5489	242	252	270	354
293910	3	262	2.145	54.48	2426	3610	4318	6425	283	294	310	395
286680	3	313	2.255	57.28	2817	4192	4877	7257	309	321	345	442
316610	3	373	2.400	60.96	3346	4979	5602	8336	361	375	406	492
357070	3	444	2.505	63.63	4037	6007	6466	9621	396	411	454	549
357080	3	535	2.835	72.01	5298	7883	7937	11810	448	465	511	608
14444.036800 ²	3	646	3.010	76.45	5740	8541	9085	13518	492	510	525	678
14444.037000 ²	3	777	3.280	83.31	6942	10330	10933	16268	552	573	640	750

Note: Dimensions and weights are nominal; subject to industry tolerances.

¹Reference Ampacity section

²Thermoset CPE jacket (XL-CPE) not tested to NEK 606 Mud Oil Resistance.



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			INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
279250	4	8	0.905	22.99	183	272	596	887	40	42	45	50
279270	4	6	0.995	25.27	306	455	787	1171	54	56	60	73
357090	4	5	1.210	30.73	465	692	1130	1681	62	66	70	96
291730	4	4	1.255	31.88	499	743	1204	1792	70	74	79	101
357100	4	3	1.300	33.02	673	1001	1435	2135	82	86	93	118
302610	4	2	1.365	34.67	775	1153	1584	2357	93	98	105	129
302620	4	1	1.580	40.13	1222	1818	2130	3169	110	114	122	162
355660	4	1/0	1.720	43.69	1482	2205	2665	3966	126	131	141	183
302630	4	2/0	1.875	47.63	1661	2472	3052	4541	144	150	161	203
302640	4	3/0	2.130	54.10	2389	3555	4117	6126	167	174	186	250
296180	4	4/0	2.205	56.01	2679	3986	4521	6727	194	202	216	283
357110	4	262	2.340	59.44	3418	5086	5309	7900	226	235	248	316
357120	4	313	2.470	62.74	3756	5589	5983	8903	247	257	276	354
357130	4	373	2.625	66.68	4461	6638	6911	10284	289	300	325	394
14444.046400 ²	4	444	2.800	71.12	5382	8008	8159	12141	317	329	363	439
14444.046600 ²	4	535	3.165	80.39	6486	9651	10020	14910	358	372	409	486
14444.046800 ²	4	646	3.365	85.47	7653	11388	11515	17134	394	408	420	542
14444.047000 ²	4	777	3.600	91.44	9256	13773	13573	20197	442	452	512	600
357140	5	8	0.975	24.77	229	341	697	1037	40	42	45	50
357150	5	6	1.125	28.58	383	570	977	1454	54	56	60	73
357160	5	5	1.305	33.15	581	865	1345	2001	62	66	70	96
357170	5	4	1.360	34.54	623	927	1441	2144	70	74	79	101
357180	5	3	1.425	36.20	842	1253	1724	2565	82	86	93	118
357190	5	2	1.490	37.85	969	1442	1917	2852	93	98	105	129
357200	5	1	1.780	45.21	1343	1998	2658	3955	110	114	122	162
357210	5	1/0	1.875	47.63	1790	2664	3217	4787	126	131	141	183
357220	5	2/0	2.100	53.34	2076	3089	3820	5684	144	150	161	203
357230	5	3/0	2.320	58.93	2984	4440	4989	7424	167	174	186	250
357240	5	4/0	2.405	61.09	3349	4983	5478	8151	194	202	216	283
357250	5	262	2.560	65.02	4044	6017	6456	9607	226	235	248	316
357260	5	313	2.765	70.23	4695	6986	7472	11118	247	257	276	354
357130	5	373	2.940	74.68	5576	8297	8592	12785	289	300	325	394
14444.056400 ²	5	444	3.145	79.88	6728	10011	10100	15029	317	329	363	439
14444.056600 ²	5	535	3.470	88.14	8108	12065	12253	18232	358	372	420	486

Note: Dimensions and weights are nominal; subject to industry tolerances.

¹Reference Ampacity section

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