Offshore and Onshore RIG Cables

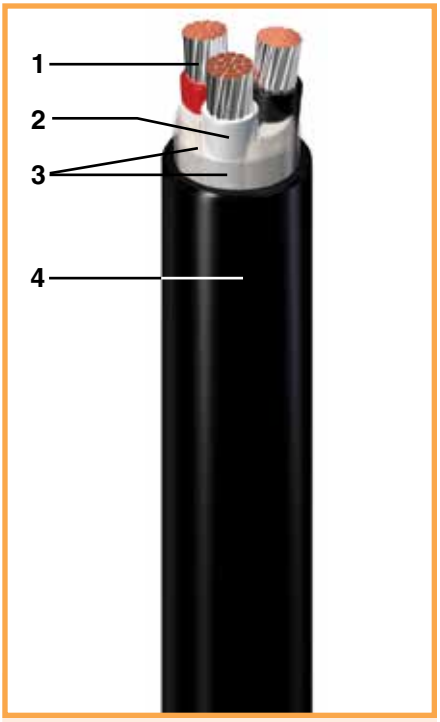
IEEE 1580 Type P
MOR® Polyrad® XT-125, Unarmored

Flexible Multi-Conductor Power Unarmored
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. **Sheath:**
   - Mud Oil-Resistant, Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)
5. **Print:** (Including but not limited to)
   - MOR® POLYRAD® XT-125 (UL) E85994 BR782 110C XX/C XXAWG TC-ER[1] XHHW -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C SR 600/1000 V 600 V RW90 XLPE TC -- IEC 1 KV 60332.3A IEEE 1580 TYPE P (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK

   [1] ER for 3 conductors or more, 6 AWG and smaller
6. **Option:**
   - Other color codes available upon request



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 2 and Zone 2 environments when installed in accordance with API-RP14F or NEC Article 501

Features:
- Meets NEK 606 mud oil resistance requirements with ester-based muds
- Meets UL 2225 crush and impact requirements of Type MC-HL cables
- Permitted for Exposed Run "ER" (open wiring) use in accordance with NEC for 3 conductors or more, 6 AWG and smaller
- 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. 38 Type RW90
- CSA C22.2 No. 230 Type TC
- 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

Offshore and Onshore RIG Cables

IEEE 1580 Type P
MOR® Polyrad® XT-125, Unarmored

Flexible Multi-Conductor Power Unarmored
600 V/1000 V

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
651810	2	8	0.590	14.99	92	137	248	369	62	64	69	77
667730	2	6	0.665	16.89	153	228	349	519	82	85	91	111
356320	2	5	0.800	20.32	233	347	503	748	96	101	109	147
652820	2	4	0.885	22.48	249	371	575	856	105	110	118	153
684820	2	3	0.930	23.62	337	501	700	1042	126	132	141	180
661710	2	2	0.975	24.77	388	577	780	1161	143	149	160	196
356330	2	1	1.155	29.34	537	799	1082	1610	162	174	186	245
672720	2	1/0	1.225	31.12	716	1065	1324	1970	191	199	213	278
356400	2	2/0	1.345	34.16	830	1235	1548	2303	232	242	259	309
286410	2	3/0	1.500	38.10	1193	1775	1997	2972	255	265	284	382
661720	2	4/0	1.575	40.01	1340	1994	2205	3281	295	307	329	432
356340	2	262	1.745	44.32	1618	2408	2718	4044	345	358	378	481
356350	2	313	1.855	47.12	1878	2794	3099	4611	378	391	420	539
356360	2	444	2.090	53.09	2691	4004	4185	6227	486	504	556	669
356370	2	535	2.325	59.06	3243	4826	5131	7635	546	566	625	741
356380	2	646	2.495	63.37	3827	5695	5745	8549	603	625	649	944
356390	2	777	2.600	66.04	4628	6886	7043	10480	674	699	784	951
X648700	3	8	0.620	15.75	138	205	298	443	50	52	56	63
274820	3	6	0.705	17.91	230	342	426	634	67	70	75	91
652830	3	5	0.895	22.73	350	521	656	976	78	82	88	120
648670	3	4	0.935	23.75	374	557	717	1067	87	92	99	126
356410	3	3	0.990	25.15	505	751	879	1308	103	108	116	148
652840	3	2	1.035	26.29	581	865	981	1460	116	122	131	161
652970	3	1	1.225	31.12	806	1199	1351	2010	137	143	153	202
659380	3	1/0	1.300	33.02	1074	1598	1687	2510	157	164	176	229
648660	3	2/0	1.435	36.45	1245	1853	1967	2927	180	188	201	254
652860	3	3/0	1.605	40.77	1790	2664	2670	3973	209	218	233	313
652870	3	4/0	1.740	44.20	2009	2989	3029	4507	242	252	270	354
293900	3	262	1.860	47.24	2426	3610	3615	5379	283	294	310	395
661740	3	313	1.975	50.17	2817	4192	4131	6147	309	321	345	442
652910	3	373	2.120	53.85	3346	4979	4814	7163	361	375	406	492
660410	3	444	2.225	56.52	4037	6007	5623	8367	396	411	454	549
656050	3	535	2.485	63.12	4865	7239	6868	10220	448	465	511	608
352510	3	646	2.660	67.56	5740	8541	7983	11879	492	510	525	678
14442.037000[2]	3	777	2.925	74.30	6942	10330	9641	14346	552	573	640	750

Note: Dimensions and weights are nominal; subject to industry tolerances.
[1]Reference Ampacity section
[2]Thermoset CPE jacket (XL-CPE) not tested to NEK 606 Mud Oil Resistance.

General Cable

Offshore and Onshore RIG Cables

IEEE 1580 Type P
MOR® Polyrad® XT-125, Unarmored

Flexible Multi-Conductor Power Unarmored
600 V/1000 V

CATALOG NUMBER	# OF CORES	COND. (AWG) SIZE	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
658510	4	8	0.680	17.27	183	272	365	543	40	42	45	50
646070	4	6	0.775	19.69	306	455	529	787	54	56	60	73
652920	4	5	0.985	25.02	465	692	808	1202	62	66	70	96
648680	4	4	1.030	26.16	499	743	919	1367	70	74	79	101
667720	4	3	1.085	27.56	673	1001	1085	1614	82	86	93	118
646080	4	2	1.135	28.83	775	1153	1217	1811	93	98	105	129
652770	4	1	1.355	34.42	1074	1598	1702	2533	110	114	122	162
646090	4	1/0	1.435	36.45	1432	2131	2119	3153	126	131	141	183
646100	4	2/0	1.590	40.39	1661	2472	2447	3641	144	150	161	203
664920	4	3/0	1.845	46.86	2387	3552	3421	5090	167	174	186	250
274810	4	4/0	1.920	48.77	2679	3986	3797	5650	194	202	216	283
646110	4	262	2.055	52.20	3235	4814	4538	6753	226	235	248	316
356420	4	313	2.185	55.50	3756	5589	5165	7686	247	257	276	354
356430	4	373	2.340	59.44	4461	6638	6020	8958	289	300	325	394
296160	4	444	2.460	62.48	5382	8008	7090	10550	317	329	363	439
387880	4	535	2.815	71.50	6646	9889	8735	12998	358	372	409	486
387890	4	646	3.015	76.58	7653	11388	10215	15200	394	408	420	542
14442.047000[2]	4	777	3.245	82.42	9256	13773	12150	18079	442	458	512	600
672740	5	8	0.750	19.05	229	341	444	661	40	42	45	50
356440	5	6	0.895	22.73	383	570	680	1012	54	56	60	73
356450	5	5	1.075	27.31	581	865	990	1473	62	66	70	96
665900	5	4	1.135	28.83	623	927	1075	1600	70	74	79	101
356460	5	3	1.195	30.35	842	1253	1337	1989	82	86	93	118
348300	5	2	1.255	31.88	969	1442	1510	2247	93	98	105	129
356470	5	1	1.495	37.97	1535	2284	2084	3101	110	114	122	162
356480	5	1/0	1.595	40.51	1790	2664	2624	3905	126	131	141	183
356490	5	2/0	1.820	46.23	2076	3089	3130	4657	144	150	161	203
356500	5	3/0	2.035	51.69	2983	4439	4224	6285	167	174	186	250
356510	5	4/0	2.120	53.85	3349	4983	4680	6964	194	202	216	283
356520	5	262	2.275	57.79	4044	6017	5597	8328	226	235	248	316
356530	5	313	2.420	61.47	4695	6986	6401	9525	247	257	276	354
387900	5	373	2.590	65.79	5780	8601	7459	11099	289	300	325	394
387910	5	444	2.730	69.34	6728	10011	8783	13069	317	329	363	439
14442.056600[2]	5	535	3.115	79.12	8108	12065	10909	16233	358	372	420	486

Note: Dimensions and weights are nominal; subject to industry tolerances.
[1]Reference Ampacity section
[2]Thermoset CPE jacket (XL-CPE) not tested to NEK 606 Mud Oil Resistance.