



Offshore and
Marine Shipboard
Cables

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



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



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:

- Black Irradiated Cross-Linked Chlorosulfonated Polyethylene

5. Armor:

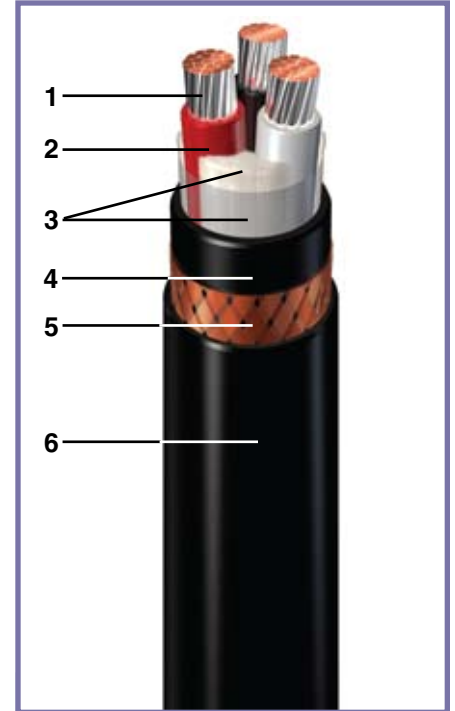
- Bronze braid 88% minimum coverage

6. Sheath:

- Mud Oil Resistant, Black Irradiated Cross-Linked Chlorosulfonated Polyethylene

7. Print: (Including but not limited to)

- MOR® POLYRAD® XT-125 (UL) E85994 BR782B 110C XX/C XXAWG OR (CSA) 245/1309 FT4 -40C SR 600/1000V OR IEC 1KV 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 environments

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

Compliances:

Industry:

- API-RP14F
- CSA C22.2 No. 245 Type X110
- IEEE 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



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**Flexible Multi Conductor Power
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600V/1000V



CATALOG NUMBER (T-75126)	# OF CORES	COND. SIZE (AWG)	NOMINAL CABLE DIAMETER		NET WEIGHT		AMPACITIES ¹ 45°C AMBIENT-SINGLE BANKED			
			INCHES	mm	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
356960	2	8	0.774	19.66	457	680	62	64	69	77
326140	2	6	0.892	22.66	650	967	82	85	91	111
356970	2	5	1.010	25.65	789	1174	96	101	109	147
321820	2	4	1.050	26.67	889	1323	105	110	118	153
356980	2	3	1.155	29.34	1015	1511	126	132	141	180
326150	2	2	1.225	31.11	1091	1624	143	149	160	196
356990	2	1	1.391	35.33	1525	2270	162	174	186	245
357000	2	1/0	1.489	37.82	1758	2616	191	199	213	278
357010	2	2/0	1.565	39.75	2093	3115	232	242	259	309
286660	2	3/0	1.839	46.71	2615	3892	255	265	284	382
357020	2	4/0	1.945	49.40	3149	4686	295	307	329	432
357030	2	262	2.075	52.70	3519	5237	345	358	378	481
357040	2	313	2.215	56.26	4100	6102	378	391	420	539
387840	2	373	2.455	62.36	4635	6897	440	456	497	599
387850	2	444	2.650	67.31	4822	7175	486	504	556	669
387860	2	535	2.950	74.93	5804	8636	546	566	625	741
14444.026800 ²	2	646	3.245	82.42	7114	10586	603	625	649	944
14444.027000 ²	2	777	3.415	86.74	8205	12209	674	699	784	951
279240	3	8	0.861	21.87	581	865	50	52	56	63
279260	3	6	0.945	24.01	742	1104	67	70	75	91
357050	3	5	1.128	28.65	1037	1543	78	82	88	120
287700	3	4	1.171	29.74	1142	1670	87	92	99	126
357060	3	3	1.225	31.11	1247	1856	103	108	116	148
281220	3	2	1.301	33.04	1400	2083	116	122	131	161
293880	3	1	1.480	37.59	1961	2918	137	143	153	202
281230	3	1/0	1.646	41.80	2387	3552	157	164	176	229
318840	3	2/0	1.768	44.90	2791	4154	180	188	201	254
286670	3	3/0	2.006	50.95	3611	5229	209	218	233	313
326160	3	4/0	2.180	55.38	4310	6414	242	252	270	354
293910	3	262	2.321	58.94	4838	7200	283	294	310	395
286680	3	313	2.472	62.78	5610	8349	309	321	345	442
316610	3	373	2.612	66.35	6351	9452	361	375	406	492
357070	3	444	2.815	71.50	7480	11132	396	411	454	549
357080	3	535	3.036	77.11	8773	13056	448	465	511	608
14444.036800 ²	3	646	3.285	83.44	9915	14754	492	510	525	678
14444.037000 ²	3	777	3.460	87.88	11865	17655	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	95°C	100°C	110°C	125°C
279250	4	8	0.919	23.35	684	1018	40	42	45	50
279270	4	6	1.013	25.73	890	1325	54	56	60	73
357090	4	5	1.210	30.74	1223	1820	62	66	70	96
291730	4	4	1.259	31.97	1358	2021	70	74	79	101
357100	4	3	1.319	33.50	1547	2302	82	86	93	118
302610	4	2	1.403	35.64	1711	2546	93	98	105	129
302620	4	1	1.663	42.24	2543	3784	110	114	122	162
355660	4	1/0	1.781	45.24	2910	4331	126	131	141	183
302630	4	2/0	1.963	49.86	3484	5185	144	150	161	203
302640	4	3/0	2.202	55.94	4403	6553	167	174	186	250
296180	4	4/0	2.360	59.95	5220	7768	194	202	216	283
357110	4	262	2.457	62.40	5816	8655	226	235	248	316
357120	4	313	2.626	66.69	6697	9966	247	257	276	354
357130	4	373	2.842	72.19	8040	11956	289	300	325	394
14444.046400 ²	4	444	3.080	78.23	9340	13898	317	329	363	439
14444.046600 ²	4	535	3.320	84.33	11192	16654	358	372	409	486
14444.046800 ²	4	646	3.460	87.88	11874	17669	394	408	420	542
14444.047000 ²	4	777	3.800	96.52	15032	22368	442	452	512	600
357140	5	8	0.986	25.05	800	1191	40	42	45	50
357150	5	6	1.132	28.75	1151	1713	54	56	60	73
357160	5	5	1.306	33.17	1402	2086	62	66	70	96
357170	5	4	1.360	34.54	1584	2357	70	74	79	101
357180	5	3	1.428	36.26	1806	2688	82	86	93	118
357190	5	2	1.522	38.66	2074	3087	93	98	105	129
357200	5	1	1.806	45.87	3132	4661	110	114	122	162
357210	5	1/0	1.998	50.76	3645	5424	126	131	141	183
357220	5	2/0	2.101	53.37	4244	6316	144	150	161	203
357230	5	3/0	2.396	60.86	5519	8213	167	174	186	250
357240	5	4/0	2.539	64.49	6228	9269	194	202	216	283
357250	5	262	2.758	70.05	6415	9546	226	235	248	316
357260	5	313	2.926	74.32	7399	11010	247	257	276	354
357130	5	373	3.085	78.36	8933	13292	289	300	325	394
14444.056400 ²	5	444	3.260	82.80	10347	15396	317	329	363	439
14444.056600 ²	5	535	3.560	90.42	12844	19112	358	372	420	486

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