



Offshore and
Marine Shipboard
Cables

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



Flexible Multi Conductor Power Unarmored 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

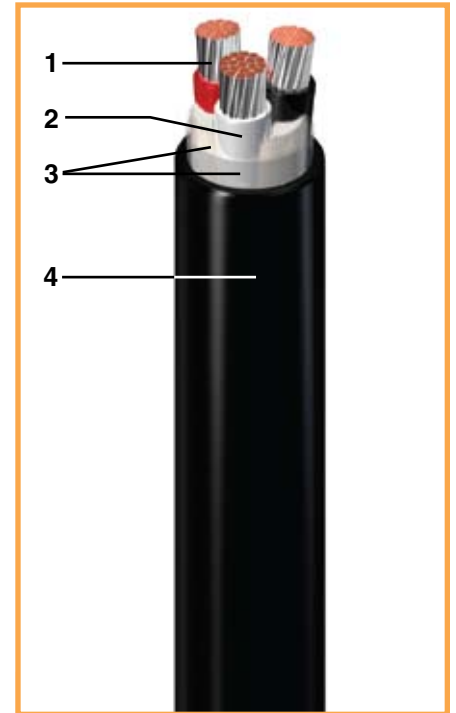
4. Sheath:

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

5. Print: (Including but not limited to)

- MOR[®] POLYRAD[®] XT-125 (UL) E85994 BR782 110C XX/C XXAWG OR TC-ER¹ XHHW OR (CSA) 245/1309 FT4 -40C SR 600/1000V OR 600V RW75 XLPE TC OR IEC 1KV 60332.3A IEEE 1580 TYPE P (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK

¹ ER for 3 conductors or more



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

Features:

- Meets NEK 606 mud oil resistance requirements including 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
- 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



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



**Flexible Multi Conductor Power
Unarmored
600V/1000V**



CATALOG NUMBER (T-7874)	# 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
651810	2	8	0.594	15.09	240	357	62	64	69	77
667730	2	6	0.672	17.07	362	539	82	85	91	111
356320	2	5	0.790	20.07	455	677	96	101	109	147
652820	2	4	0.830	21.08	540	804	105	110	118	153
684820	2	3	0.935	23.75	625	930	126	132	141	180
661710	2	2	1.005	25.53	675	1004	143	149	160	196
356330	2	1	1.171	29.74	1045	1555	162	174	186	245
672720	2	1/0	1.269	32.23	1240	1845	191	199	213	278
356400	2	2/0	1.345	34.16	1545	2299	232	242	259	309
286410	2	3/0	1.559	39.60	1845	2746	255	265	284	382
661720	2	4/0	1.685	42.80	2330	3468	295	307	329	432
356340	2	262	1.795	45.59	2640	3929	345	358	378	481
356350	2	313	1.935	49.15	3156	4697	378	391	420	539
356360	2	444	2.280	57.91	3656	5440	486	504	556	669
356370	2	535	2.580	65.53	4503	6701	546	566	625	741
356380	2	646	2.874	73.00	5673	8442	603	625	649	944
356390	2	777	3.044	77.32	6681	9942	674	699	784	951
X648700	3	8	0.641	16.28	305	454	50	52	56	63
274820	3	6	0.725	18.42	433	644	67	70	75	91
652830	3	5	0.893	22.68	642	955	78	82	88	120
648670	3	4	0.936	23.77	730	1086	87	92	99	126
356410	3	3	0.990	25.15	840	1250	103	108	116	148
652840	3	2	1.066	27.07	935	1391	116	122	131	161
652970	3	1	1.245	31.62	1424	2119	137	143	153	202
659380	3	1/0	1.351	34.31	1682	2503	157	164	176	229
648660	3	2/0	1.473	37.41	2027	3017	180	188	201	254
652860	3	3/0	1.681	42.69	2670	3973	209	218	233	313
652870	3	4/0	1.825	46.36	3210	4777	242	252	270	354
293900	3	262	1.966	49.93	3660	5447	283	294	310	395
661740	3	313	2.117	53.77	4347	6469	309	321	345	442
652910	3	373	2.257	57.33	5010	7456	361	375	406	492
660410	3	444	2.460	62.48	6025	8966	396	411	454	549
656050	3	535	2.681	68.10	7195	10708	448	465	511	608
352510	3	646	2.914	74.01	8450	12575	492	510	525	678
14442.037000 ²	3	777	3.090	78.49	10325	15364	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.



Offshore and
Marine Shipboard
Cables

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



Flexible Multi Conductor Power
Unarmored
600V/1000V



CATALOG NUMBER (T-7874)	# OF CORES	COND. (AWG) SIZE	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
658510	4	8	0.699	17.76	385	573	40	42	45	50
646070	4	6	0.793	20.14	555	826	54	56	60	73
652920	4	5	0.975	24.77	795	1183	62	66	70	96
648680	4	4	1.024	26.00	910	1354	70	74	79	101
667720	4	3	1.084	27.53	1075	1600	82	86	93	118
646080	4	2	1.168	29.67	1205	1793	93	98	105	129
652770	4	1	1.368	34.75	1830	2723	110	114	122	162
646090	4	1/0	1.486	37.75	2140	3185	126	131	141	183
646100	4	2/0	1.638	41.60	2565	3816	144	150	161	203
664920	4	3/0	1.877	47.69	3360	5000	167	174	186	250
274810	4	4/0	2.005	50.93	4020	5982	194	202	216	283
646110	4	262	2.162	54.91	4720	7024	226	235	248	316
356420	4	313	2.331	59.20	5520	8215	247	257	276	354
356430	4	373	2.487	63.17	6570	9777	289	300	325	394
296160	4	444	2.710	68.83	7975	11868	317	329	363	439
387880	4	535	2.951	74.96	9710	14450	358	372	409	486
387890	4	646	2.914	74.01	8450	12575	394	408	420	542
14442.047000 ²	4	777	3.430	87.12	13324	19826	442	458	512	600
672740	5	8	0.766	19.47	475	707	40	42	45	50
356440	5	6	0.912	23.16	770	1146	54	56	60	73
356450	5	5	1.071	27.20	935	1391	62	66	70	96
665900	5	4	1.125	28.57	1095	1630	70	74	79	101
356460	5	3	1.193	30.29	1290	1920	82	86	93	118
348300	5	2	1.287	32.69	1520	2262	93	98	105	129
356470	5	1	1.511	38.38	2350	3497	110	114	122	162
356480	5	1/0	1.703	43.27	2770	4122	126	131	141	183
356490	5	2/0	1.806	45.87	3320	4941	144	150	161	203
356500	5	3/0	2.071	52.60	4375	6511	167	174	186	250
356510	5	4/0	2.214	56.24	5010	7456	194	202	216	283
356520	5	262	2.404	61.06	5534	8235	226	235	248	316
356530	5	313	2.572	65.33	6456	9607	247	257	276	354
387900	5	373	2.705	68.71	7555	11242	289	300	325	394
387910	5	444	2.890	73.41	8888	13225	317	329	363	439
14442.056600 ²	5	535	3.190	81.03	11247	16736	358	372	420	486

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.

