



Offshore and
Onshore RIG
Cables

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



Flexible Single-Conductor Power Unarmored

600 V, 2 kV/1000 V & 2 kV/1000 V Heavy-Duty



Product Construction:

1. Conductor:

- 18 AWG thru 1111 kcmil soft annealed tinned copper flexible strand

2. Insulation:

- Polyrad® XT-125 Irradiated Cross-linked Polyolefin (XLPO) – Black
- Polyrad® XT-125 Heavy-Duty (HD) Irradiated Cross-linked Polyolefin (XLPO) – 4/0 AWG and larger – Black

3. Print: (Including but not limited to)

- POLYRAD® XT-125 (UL) E85994 BR781 110C 1/C XXAWG 600 V IAW 245/1309 TYPE X110 AND IEEE 1580 TYPE P YEAR OF MFG DAY/MONTH/YEAR
- POLYRAD® XT-125 (UL) E85994 BR781 HD¹ 110C 1/C XXAWG (XX SQ MM) 2000V -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C RW90 XLPE TC² SR 2 KV (ETL) US 109229 IEEE 1580 -- IEC 1 KV 60332.3A DAY/MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

¹ Heavy-Duty (HD) – 4/0 AWG and larger

² TC – 4/0 AWG and larger

4. Option:

- Green stripe for use as equipment grounding

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 (4/0 AWG and larger)

Features:

- 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
- 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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600 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
387790	1	18	0.110	2.79	6	9	10	15	20	16	17	24
387800	1	16	0.116	2.95	7	10	12	18	23	24	25	35
387810	1	14	0.129	3.28	11	16	17	25	32	37	40	56
387820	1	12	0.147	3.73	17	25	24	36	38	45	48	67
387830	1	10	0.179	4.55	34	51	42	62	51	58	62	87

2 kV/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
388090	1	18	0.137	3.48	6	9	15	22	20	16	17	24
388100	1	16	0.144	3.66	8	12	17	25	23	24	25	35
388110	1	14	0.163	4.14	11	16	21	31	32	37	40	56
388120	1	12	0.181	4.60	17	25	29	43	38	45	48	67
388130	1	10	0.213	5.41	33	49	48	71	51	58	62	87
281190	1	8	0.251	6.38	45	67	65	97	70	72	77	90
295370	1	6	0.300	7.62	75	112	102	152	92	96	103	126
357270	1	5	0.368	9.35	114	170	151	225	104	106	117	153
281060	1	4	0.388	9.86	122	182	163	243	123	128	137	158
357280	1	3	0.411	10.44	165	246	210	312	140	146	156	195
281070	1	2	0.433	11.00	190	283	238	354	162	169	181	217
300550	1	1	0.543	13.79	263	391	341	507	180	194	208	281

2 kV/1000 V — 1 AWG and smaller constructions with Regular-Duty insulation thickness.

2 kV/1000 V Heavy Duty

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
387300	1	1/0	0.578	14.68	351	522	438	652	217	227	243	319
387310	1	2/0	0.638	16.21	407	606	501	745	251	262	281	354
387320	1	3/0	0.717	18.21	594	884	692	1030	289	300	321	437
387330	1	4/0	0.840	21.34	668	994	816	1214	337	351	376	495
357290	1	262	0.870	20.10	820	1220	962	1431	392	407	426	559
644010	1	313	0.940	23.88	1009	1501	1125	1674	439	455	491	617
361470	1	373	1.005	25.53	1184	1762	1354	2015	507	526	563	692
644030	1	444	1.085	27.56	1449	2156	1693	2519	567	588	630	772
644050	1	535	1.185	30.10	1664	2476	1994	2967	638	662	709	871
644070	1	646	1.295	32.89	2042	3038	2303	3427	693	715	766	979
644090	1	777	1.390	35.31	2493	3710	2870	4271	750	830	889	1101
274380	1	1111	1.615	41.02	3400	5059	3820	5684	972	1003	1073	1374

2 kV/1000 V Heavy-Duty — 1/0 AWG and larger constructions with Heavy-Duty (HD) insulation thickness.

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

¹Reference Ampacity section