

IEEE 1580 Type P Polyrad® XT-125, Unarmored



Flexible Single Conductor Power Unarmored

600V, 2kV/1000V & 2kV/1000V 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 600V IAW 245/1309 TYPE X110 AND IEEE 1580-2001 TYPE P YEAR OF MFG DAY/MONTH/YEAR
- POLYRAD® XT-125 (UL) E85994 BR781 HD¹ 110C 1/C XXAWG (XX SQ MM) 2000V OR (CSA) 245/1309 FT4 -40C OR RW75 XLPE TC² SR 2KV OR (ETL)US 109229 IEEE 1580-2001 IEC 1KV 60332.3A DAY/MONTH/YEAR OF MFG SEQUENTIAL FOOTAGE MARK

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

² TC – 1/0 AWG and larger

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:

- 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
- 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



Offshore and
Marine Shipboard
Cables

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600V

CATALOG NUMBER (XP)	# 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
387790	1	18	0.107	2.72	11	16	20	16	17	24
387800	1	16	0.114	2.90	13	19	23	24	25	35
387810	1	14	0.127	3.23	18	27	32	37	40	56
387820	1	12	0.146	3.71	27	40	38	45	48	67
387830	1	10	0.183	4.65	45	68	51	58	62	87

2kV/1000V

CATALOG NUMBER (XP)	# 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
388090	1	18	0.137	3.47	15	23	20	16	17	24
388100	1	16	0.144	3.66	17	25	23	24	25	35
388110	1	14	0.157	3.99	23	35	32	37	40	56
388120	1	12	0.176	4.47	32	48	38	45	48	67
388130	1	10	0.213	5.41	50	75	51	58	62	87
281190	1	8	0.257	6.53	80	119	70	72	77	90
295370	1	6	0.300	7.62	113	168	92	96	103	126
357270	1	5	0.355	9.02	160	238	104	106	117	153
281060	1	4	0.375	9.52	192	286	123	128	137	158
357280	1	3	0.400	10.16	212	315	140	146	156	195
281070	1	2	0.435	11.05	243	362	162	169	181	217
300550	1	1	0.518	13.16	370	551	180	194	208	281

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

2kV/1000V Heavy Duty

CATALOG NUMBER (XP)	# 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
387300	1	1/0	0.665	16.64	460	684	217	227	243	319
387310	1	2/0	0.735	18.67	617	918	251	262	281	354
387320	1	3/0	0.795	20.19	732	1089	289	300	321	437
387330	1	4/0	0.840	21.34	816	1214	337	351	376	495
357290	1	262	0.870	22.10	962	1432	392	407	426	559
644010	1	313	0.940	23.88	1125	1674	439	455	491	617
361470	1	373	1.005	25.53	1354	2015	507	526	563	692
644030	1	444	1.085	27.56	1693	2519	567	588	630	772
644050	1	535	1.185	30.10	1994	2967	638	662	709	871
644070	1	646	1.295	32.89	2303	3427	693	715	766	979
644090	1	777	1.390	35.31	2870	4271	750	830	889	1101
274380	1	1111	1.580	40.13	3964	5899	972	1003	1073	1374

2kV/1000V 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

