



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



**Flexible Single Conductor Power  
Unarmored & Sheathed**  
2kV/1000V & 2kV/1000V Heavy-Duty



## Product Construction:

### 1. Conductor:

- 8 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. Sheath

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

### 4. Print: (Including but not limited to)

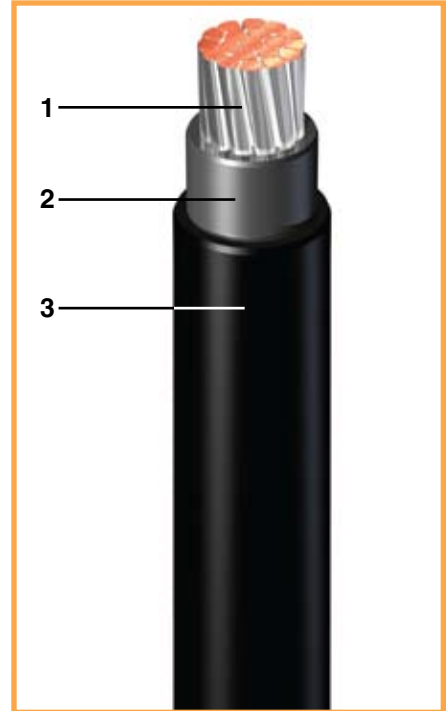
- MOR® POLYRAD® XT-125 (UL) E85994 BR781 110C 1/C XXAWG 2000V OR (CSA) 245/1309 FT4 -40C SR IEC 1KV 60332.3A IEEE 1580 TYPE P (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK

## 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 2 and Zone 2 environments

## Features:

- Meets NEK 606 mud oil resistance requirements including ester-based muds
- 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



Offshore and  
Marine Shipboard  
Cables

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**Flexible Single Conductor Power  
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2kV/1000V & 2kV/1000V Heavy-Duty



CATALOG NUMBER (XP)	# OF CORES	COND. (AWG) SIZE	NOMINAL CABLE DIAMETER		NET WEIGHT		AMPACITIES <sup>1</sup> 45°C AMBIENT-SINGLE BANKED			
			INCHES	mm	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
365470	1	8	0.380	9.65	103	153	70	72	77	90
365480	1	6	0.420	10.67	143	213	92	96	103	126
365490	1	5	0.485	12.32	198	295	104	106	117	153
365500	1	4	0.500	12.70	232	345	123	128	137	158
365510	1	3	0.540	13.72	267	397	140	146	156	195
365520	1	2	0.550	13.97	300	446	162	169	181	217
365530	1	1	0.640	16.26	432	643	180	194	208	281
365540	1	1/0	0.700	17.78	542	807	217	227	243	319
365550	1	2/0	0.720	18.29	563	838	251	262	281	354
365560	1	3/0	0.810	20.57	743	1106	289	300	321	437

2kV/1000V — 3/0 AWG and smaller constructions with Regular-Duty insulation thickness.

CATALOG NUMBER (XP)	# OF CORES	COND. (AWG) SIZE	NOMINAL CABLE DIAMETER		NET WEIGHT		AMPACITIES <sup>1</sup> 45°C AMBIENT-SINGLE BANKED			
			INCHES	mm	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
365570	1	4/0	1.005	25.53	1012	1506	337	351	376	495
365580	1	262	1.040	26.42	1181	1758	392	407	426	559
365590	1	313	1.110	28.19	1383	2058	439	455	491	617
365600	1	373	1.185	30.10	1856	2862	507	526	563	692
365610	1	444	1.250	31.75	1894	2819	567	588	630	772
365620	1	535	1.345	34.16	2188	3256	638	662	709	871
365630	1	646	1.460	37.08	2624	3905	693	715	766	979
365640	1	777	1.540	39.12	3129	4657	750	830	889	1101
365650	1	1111	1.810	45.97	4270	6355	972	1003	1073	1374

2kV/1000V Heavy-Duty — 4/0 AWG and larger constructions with Heavy-Duty (HD) insulation thickness.

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

<sup>1</sup>Reference Ampacity section

