



Offshore and  
Onshore RIG  
Cables

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



## Flexible Single-Conductor Power Unarmored & Sheathed

2 kV/1000 V & 2 kV/1000 V 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 Chlorinated Polyethylene (XL-CPE)

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

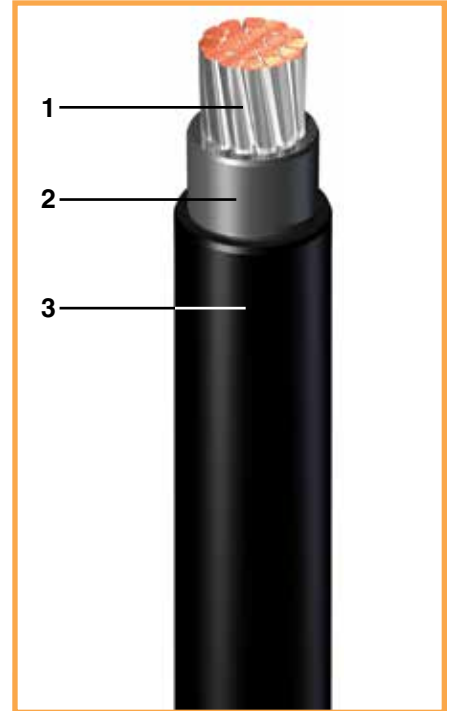
- MOR® POLYRAD® XT-125 (UL) E85994 BR781 110C 1/C XXAWG 2000 V -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C SR -- IEC 1 KV 60332.3A IEEE 1580 TYPE P (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK

### 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 when installed in accordance with API-RP14F

### Features:

- Meets NEK 606 mud oil resistance requirements with 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 1580-2010 Type P
- IEC 60092-350
- Mud oil-resistant
- 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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CATALOG NUMBER	# OF CORES	COND. (AWG) SIZE	NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT		AMPACITIES <sup>1</sup> 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
365470	1	8	0.345	8.76	45	67	89	132	70	72	77	90
365480	1	6	0.385	9.78	75	112	126	187	92	96	103	126
365490	1	5	0.435	11.05	114	170	180	268	104	106	117	153
365500	1	4	0.470	11.94	122	182	193	287	123	128	137	158
365510	1	3	0.495	12.57	165	246	242	360	140	146	156	195
365520	1	2	0.515	13.08	190	283	272	405	162	169	181	217
365530	1	1	0.635	16.13	263	391	381	567	180	194	208	281
365540	1	1/0	0.670	17.02	351	522	487	725	217	227	243	319
365550	1	2/0	0.730	18.54	407	606	555	826	251	262	281	354
365560	1	3/0	0.810	20.57	594	884	762	1134	289	300	321	437

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

CATALOG NUMBER	# OF CORES	COND. (AWG) SIZE	NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT		AMPACITIES <sup>1</sup> 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
365570	1	4/0	0.965	24.51	657	978	932	1387	337	351	376	495
365580	1	262	1.000	25.40	793	1180	1086	1616	392	407	426	559
365590	1	313	1.055	26.80	921	1370	1232	1833	439	455	491	617
365600	1	373	1.120	28.45	1093	1626	1425	2120	507	526	563	692
365610	1	444	1.170	29.72	1319	1963	1670	2485	567	588	630	772
365620	1	535	1.290	32.77	1590	2366	2018	3003	638	662	709	871
365630	1	646	1.375	34.93	1876	2791	2333	3472	693	715	766	979
365640	1	777	1.540	39.12	2269	3376	2767	4117	750	830	889	1101
365650	1	1111	1.810	45.97	3400	5059	4101	6102	972	1003	1073	1374

2 kV/1000 V 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