



Offshore and  
Onshore RIG  
Cables

# IEEE 1580 Type P MOR<sup>®</sup> Polyrad<sup>®</sup> XT-125 Armored & Sheathed



## Flexible Single-Conductor Power Armored & Sheathed

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



### Product Construction:

#### 1. Conductor:

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

#### 2. Insulation:

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

#### 3. Armor:

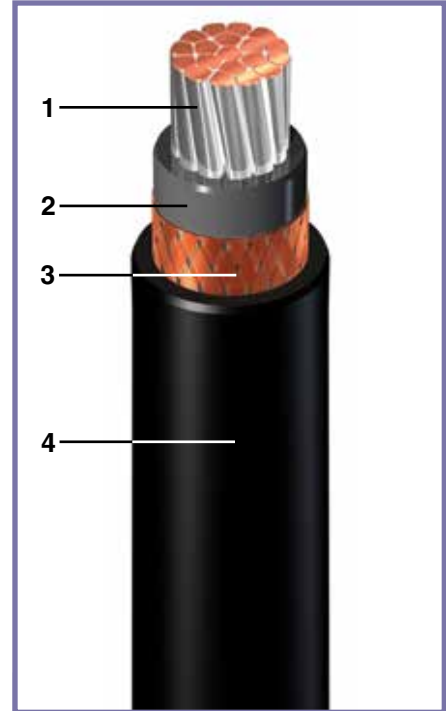
- Bronze braid 88% minimum coverage

#### 4. Sheath:

- Mud Oil-Resistant, Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)

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

- MOR<sup>®</sup> POLYRAD<sup>®</sup> XT-125 (UL) E85994 BR781B 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 1 and Zone 1 Hazardous Locations 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
357370	1	1	0.690	17.53	348	518	479	713	180	194	208	281
300140	1	1/0	0.725	18.42	441	656	583	868	217	227	243	319
357380	1	2/0	0.785	19.94	507	754	661	984	251	262	281	354
326600	1	3/0	0.905	22.99	697	1037	904	1345	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
281120	1	4/0	0.985	25.02	774	1152	1032	1536	337	351	376	495
357390	1	262	1.045	26.54	919	1367	1211	1802	392	407	426	559
357400	1	313	1.095	27.81	1054	1568	1364	2030	439	455	491	617
357410	1	373	1.165	29.59	1238	1842	1567	2332	507	526	563	692
281130	1	444	1.215	30.86	1472	2190	1821	2710	567	588	630	772
279330	1	535	1.370	34.80	1762	2622	2226	3312	638	662	709	871
279340	1	646	1.450	36.83	2060	3065	2554	3800	693	715	766	979
279350	1	777	1.545	39.24	2469	3674	3006	4473	750	830	889	1101
359080	1	1111	1.820	46.23	3643	5421	4293	6388	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



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