



Offshore and  
Onshore RIG  
Cables

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



## Flexible Multi-Conductor Control Armored & Sheathed 14 AWG, 12 AWG & 10 AWG 600 V/1000 V



### Product Construction:

#### 1. Conductor:

- 14 AWG thru 10 AWG soft annealed tinned copper flexible strand

#### 2. Insulation:

- Polyrad<sup>®</sup> XT-125 Irradiated Cross-linked Polyolefin (XLPO)
- Color Code: Per IEEE 1580 Table 22

#### 3. Cable Core:

- Cabled with fillers when required
- Core binder tape when required

#### 4. Jacket:

- Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)

#### 5. Armor:

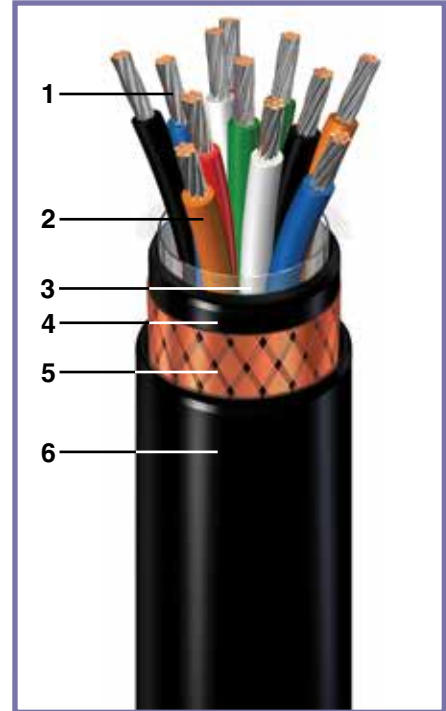
- Bronze braid 88% minimum coverage

#### 6. Sheath:

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

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

- MOR<sup>®</sup> POLYRAD<sup>®</sup> XT-125 (UL) E85994 BR782B 110C XX/C XXAWG -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C SR 600/1000 V -- 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
- Meets UL 2225 crush and impact requirements of Type MC-HL cables
- 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. SIZE (AWG)	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
326120	2	14	0.575	14.61	23	34	215	320	30	31	33	33
279320	3	14	0.595	15.11	34	51	235	350	24	25	27	28
279310	4	14	0.620	15.75	46	68	265	394	19	20	22	22
281180	5	14	0.665	16.89	57	85	298	443	19	20	22	22
302600	6	14	0.705	17.91	69	103	333	496	19	20	22	22
281170	7	14	0.710	18.03	80	119	340	506	17	18	19	20
356760	8	14	0.745	18.92	92	137	373	555	17	18	19	20
279170	10	14	0.875	22.23	115	171	479	713	12	13	14	14
352480	12	14	0.890	22.61	138	205	516	768	12	13	14	14
315770	14	14	0.930	23.62	161	240	569	847	12	13	14	14
356770	16	14	0.970	24.64	184	274	619	921	12	13	14	14
279180	20	14	1.045	26.54	230	342	721	1073	12	13	14	14
315820	24	14	1.175	29.85	275	409	877	1305	10	11	12	13
356780	30	14	1.225	31.12	344	512	1009	1501	10	11	12	13
279190	37	14	1.300	33.02	425	632	1168	1738	9	10	11	11
356790	44	14	1.435	36.45	505	751	1356	2018	8	9	10	10
356800	60	14	1.565	39.75	689	1025	1700	2530	8	9	10	10
356810	91	14	2.020	051.31	1044	1553	3231	4808	7	8	9	8
281160	2	12	0.605	15.37	36	54	248	369	38	40	43	44
279200	3	12	0.625	15.88	53	79	274	408	30	31	33	37
279210	4	12	0.665	16.89	71	106	313	466	24	25	26	30
356820	5	12	0.710	18.03	89	132	359	534	24	25	26	30
356830	6	12	0.755	19.18	107	159	402	598	24	25	26	30
355760	7	12	0.755	19.18	125	186	416	619	21	22	23	26
356840	8	12	0.800	20.32	142	211	459	683	21	22	23	26
287710	10	12	0.950	24.13	178	265	586	872	15	16	17	19
356850	16	12	1.045	26.54	285	424	777	1156	15	16	17	19
281210	20	12	1.190	30.23	356	530	962	1431	15	16	17	19
356860	24	12	1.285	32.64	427	635	1112	1655	13	14	15	17
356870	30	12	1.345	34.16	534	795	1291	1921	13	14	15	17
287730	37	12	1.420	36.07	658	979	1508	2244	12	13	14	15
356880	44	12	1.575	40.01	783	1165	1761	2620	10	11	12	13
356890	60	12	1.790	45.47	1067	1588	2329	3466	10	11	12	13
356900	91	12	2.155	54.74	1619	2409	3562	5300	8	9	10	11

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

<sup>1</sup>Reference Ampacity section



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			INCHES	mm	LBS/1000 FT	kg/km	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
<b>326130</b>	2	10	0.670	17.02	68	101	230	342	47	49	52	64
<b>279220</b>	3	10	0.695	17.65	101	150	365	543	39	41	44	49
<b>279230</b>	4	10	0.740	18.80	135	201	422	628	31	33	35	39
<b>356910</b>	5	10	0.795	20.19	169	251	494	735	31	33	35	39
<b>356920</b>	6	10	0.895	22.73	203	302	592	881	31	33	35	39
<b>316620</b>	7	10	0.895	22.73	236	351	628	934	27	29	31	34
<b>356930</b>	8	10	0.950	24.13	270	402	698	1039	27	29	31	34
<b>356940</b>	10	10	1.115	28.32	338	503	876	1303	19	21	22	25
<b>356950</b>	12	10	1.150	29.21	405	603	974	1449	19	21	22	25

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

<sup>1</sup>Reference Ampacity section