

# 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 600V/1000V



### 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. Sheath:

- Black Irradiated Cross-Linked Chlorosulfonated Polyethylene

#### 5. Armor:

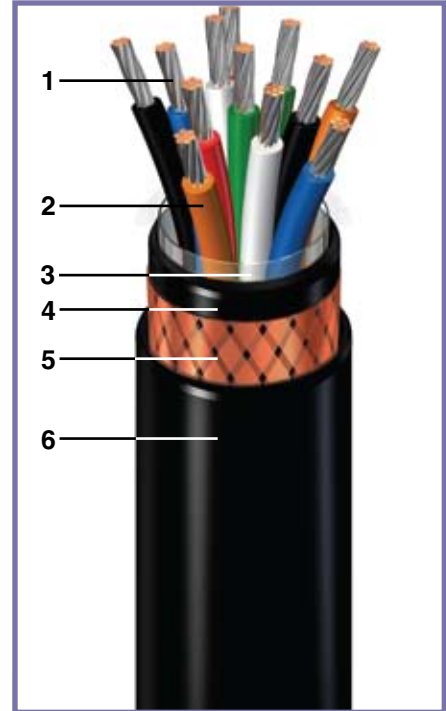
- Bronze braid 88% minimum coverage

#### 6. Sheath:

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

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

- MOR<sup>®</sup> POLYRAD<sup>®</sup> XT-125 (UL) E85994 BR782B 110C XX/C XXAWG OR (CSA) 245/1309 FT4 -40C SR 600/1000V OR 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 1 and Zone 1 environments

### Features:

- Meets NEK 606 mud oil resistance requirements including 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 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 Multi Conductor Control  
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14 AWG, 12 AWG & 10 AWG  
600V/1000V**



CATALOG NUMBER (T-75126)	# OF CORES	COND. SIZE (AWG)	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
326120	2	14	0.575	14.60	235	350	30	31	33	33
279320	3	14	0.595	15.11	265	394	24	25	27	28
279310	4	14	0.635	16.13	306	455	19	20	22	22
281180	5	14	0.670	17.02	343	510	19	20	22	22
302600	6	14	0.710	18.03	383	570	19	20	22	22
281170	7	14	0.710	18.03	403	600	17	18	19	20
356760	8	14	0.755	19.18	448	667	17	18	19	20
279170	10	14	0.880	22.35	574	854	12	13	14	14
352480	12	14	0.910	23.11	635	945	12	13	14	14
315770	14	14	0.940	23.88	689	1025	12	13	14	14
356770	16	14	0.960	24.38	779	1159	12	13	14	14
279180	20	14	1.045	26.54	877	1305	12	13	14	14
315820	24	14	1.195	30.35	1074	1558	10	11	12	13
356780	30	14	1.260	32.00	1244	1851	10	11	12	13
279190	37	14	1.325	33.65	1419	2112	9	10	11	11
356790	44	14	1.475	37.46	1676	2494	8	9	10	10
356800	60	14	1.670	42.42	2221	3305	8	9	10	10
356810	91	14	2.020	51.31	3231	4808	7	8	9	8
281160	2	12	0.615	15.62	274	408	38	40	43	44
279200	3	12	0.640	16.26	316	470	30	31	33	37
279210	4	12	0.675	17.14	362	539	24	25	26	30
356820	5	12	0.730	18.54	422	628	24	25	26	30
356830	6	12	0.765	19.43	466	694	24	25	26	30
355760	7	12	0.765	19.43	495	737	21	22	23	26
356840	8	12	0.815	20.70	552	821	21	22	23	26
287710	10	12	0.955	24.26	709	1055	15	16	17	19
356850	16	12	1.005	26.80	1163	1731	15	16	17	19
281210	20	12	1.205	30.61	1185	1764	15	16	17	19
356860	24	12	1.270	32.27	1431	2129	13	14	15	17
356870	30	12	1.330	33.78	1632	2429	13	14	15	17
287730	37	12	1.460	37.08	1853	2758	12	13	14	15
356880	44	12	1.575	40.01	2066	3074	10	11	12	13
356890	60	12	1.850	46.99	2929	4359	10	11	12	13
356900	91	12	2.155	54.74	3562	5301	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	95°C	100°C	110°C	125°C
<b>326130</b>	2	10	0.675	17.14	338	503	47	49	52	64
<b>279220</b>	3	10	0.700	17.78	369	549	39	41	44	49
<b>279230</b>	4	10	0.750	19.05	469	698	31	33	35	39
<b>356910</b>	5	10	0.810	20.57	550	819	31	33	35	39
<b>356920</b>	6	10	0.855	21.72	616	917	31	33	35	39
<b>316620</b>	7	10	0.855	21.72	662	985	27	29	31	34
<b>356930</b>	8	10	0.910	23.11	737	1097	27	29	31	34
<b>356940</b>	10	10	1.135	28.83	1024	1524	19	21	22	25
<b>356950</b>	12	10	1.165	29.59	1137	1692	19	21	22	25

Note: Dimensions and weights are nominal; subject to industry tolerances.  
<sup>1</sup>Reference Ampacity section