

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



**Flexible Multi Conductor Control**  
**Unarmored, 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® 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:

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

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

- MOR® POLYRAD® XT-125 (UL) E85994 BR782 110C XX/C XXAWG  
TC-ER<sup>1</sup> XHHW -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C SR 600/1000 V 600 V  
RW75 XLPE TC -- IEC 1 KV 60332.3A IEEE 1580 TYPE P (ETL) 109229 YEAR  
OF MFG SEQUENTIAL FOOTAGE MARK

<sup>1</sup> ER for 3 conductors or more

### 6. Option:

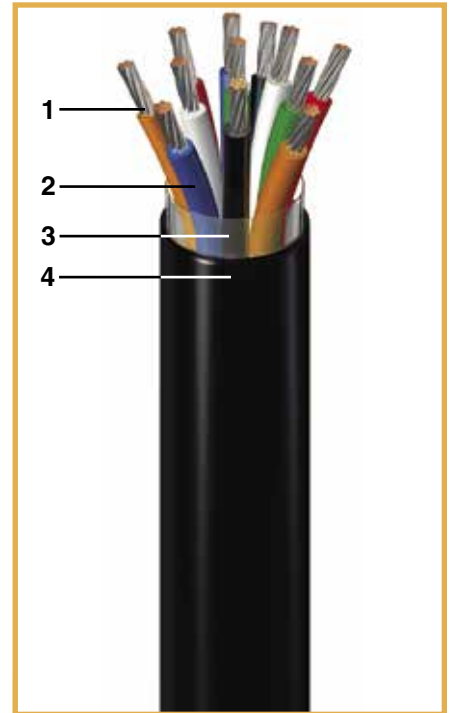
- Other color codes available upon request

## 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 with ester-based muds
- Meets UL 2225 crush and impact requirements of Type MC-HL cables
- Permitted for Exposed Run "ER" (open wiring) use in accordance with NEC for 3 conductors or more
- 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. 230 Type TC
- CSA C22.2 No. 245 Type X110
- IEEE 1580-2010 Type P
- IEC 60092-3
- Mud oil-resistant
- 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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CATALOG NUMBER (T-7874)	# 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
648720	2	14	0.395	10.03	25	37	85	127	30	31	33	33
648730	3	14	0.415	10.54	37	55	107	159	24	25	27	28
646020	4	14	0.455	11.56	51	76	136	202	19	20	22	22
651320	5	14	0.490	12.45	63	94	161	240	19	20	22	22
673170	6	14	0.530	13.46	75	112	181	269	19	20	22	22
659390	7	14	0.530	13.46	88	131	208	310	17	18	19	20
387930	8	14	0.575	14.60	101	150	237	353	17	18	19	20
646910	10	14	0.660	16.76	126	188	290	432	12	13	14	14
672460	12	14	0.690	17.53	152	226	340	506	12	13	14	14
315780	14	14	0.670	17.02	174	259	352	524	12	13	14	14
673110	16	14	0.790	20.07	199	296	449	668	12	13	14	14
646920	20	14	0.825	20.95	248	369	530	789	12	13	14	14
672470	24	14	0.957	24.76	303	451	669	996	10	11	12	13
661690	30	14	1.040	26.42	344	512	814	1211	10	11	12	13
652780	37	14	1.105	28.07	457	680	964	1435	9	10	11	11
356220	44	14	1.255	31.88	555	826	1163	1731	8	9	10	10
663200	60	14	1.390	35.31	756	1125	1529	2275	8	9	10	10
356230	91	14	1.740	44.20	1044	1554	2377	3537	7	8	9	8
652800	2	12	0.435	11.05	39	58	110	164	38	40	43	44
646030	3	12	0.460	11.68	59	88	143	213	30	31	33	37
646700	4	12	0.495	12.57	79	118	178	265	24	25	26	30
672730	5	12	0.550	13.97	99	147	220	327	24	25	26	30
356240	6	12	0.585	14.86	119	177	252	375	24	25	26	30
648710	7	12	0.585	14.86	137	204	281	418	21	22	23	26
356250	8	12	0.635	16.13	157	234	321	478	21	22	23	26
646890	10	12	0.735	18.67	196	292	397	591	15	16	17	19
684670	12	12	0.740	18.80	235	350	492	732	15	16	17	19
356260	16	12	0.845	21.46	313	466	532	791	15	16	17	19
646040	20	12	0.985	25.02	393	585	777	1156	15	16	17	19
355640	24	12	1.090	27.69	472	702	792	1179	13	14	15	17
356270	30	12	1.150	29.21	590	878	986	1468	13	14	15	17
664710	37	12	1.240	31.50	727	1081	1346	2003	12	13	14	15
356280	44	12	1.395	35.43	783	1165	1395	2076	10	11	12	13
356290	60	12	1.570	39.88	1067	1588	2155	3207	10	11	12	13
356300	91	12	1.975	50.17	1619	2409	2828	4209	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
652810	2	10	0.495	12.57	68	101	154	229	47	49	52	64
646050	3	10	0.520	13.21	102	152	203	302	39	41	44	49
646060	4	10	0.570	14.48	136	202	260	387	31	33	35	39
648740	5	10	0.630	16.00	174	259	320	476	31	33	35	39
356310	6	10	0.675	17.14	209	311	371	552	31	33	35	39
652760	7	10	0.675	17.14	244	363	418	622	27	29	31	34
326350	8	10	0.730	18.54	279	415	474	705	27	29	31	34
677940	10	10	0.915	23.24	366	545	642	955	19	21	22	25
677850	12	10	0.945	24.00	419	624	743	1106	19	21	22	25

<sup>1</sup>Reference Ampacity section

**Flexible Multi Conductor Low-Voltage Power**  
**Unarmored, 14 AWG, 12 AWG & 10 AWG**  
600 V/1000 V

CATALOG NUMBER (T-75094)	# 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
272160	3	14	0.415	10.54	37	55	107	159	24	25	27	28
272150	3	12	0.460	11.68	59	88	143	213	30	31	33	37
354840	3	10	0.520	13.21	98	146	203	302	39	41	44	49

Note: Color Code - Black, White and Green. Dimensions and weight are nominal; subject to industry tolerances.

<sup>1</sup>Reference Ampacity section