



Offshore and
Marine Shipboard
Cables

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



**Flexible Multi Conductor Control
Unarmored, 18 AWG & 16 AWG
600V/1000V**



Product Construction:

1. Conductor:

- 18 AWG and 16 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

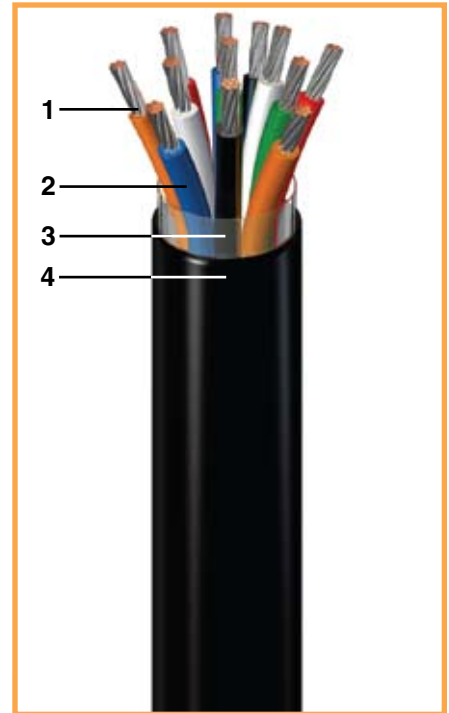
4. Sheath:

- 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 OR TC-ER¹ RFHH-2 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

¹ ER for 3 conductors or more



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 including 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. 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



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CATALOG NUMBER (T-7874)	# OF CORES	COND. SIZE (AWG)	NOMINAL CABLE DIAMETER		NET WEIGHT		AMPACITIES ¹ 45°C AMBIENT-SINGLE BANKED			
			INCHES	mm	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
661640	2	18	0.355	9.02	65	97	13	14	15	-
659140	3	18	0.373	9.46	80	119	11	12	13	-
659150	4	18	0.400	10.16	97	144	9	10	11	-
356120	5	18	0.432	10.97	115	171	9	10	11	-
309890	6	18	0.465	11.81	133	198	9	10	11	-
661650	7	18	0.465	11.81	146	217	7	8	9	-
356130	8	18	0.500	12.70	164	244	7	8	9	-
356140	10	18	0.575	14.60	203	302	5	6	7	-
309920	12	18	0.593	15.05	232	345	5	6	7	-
661670	16	18	0.652	16.56	293	436	5	6	7	-
306030	20	18	0.719	18.27	357	531	5	6	7	-
356150	24	18	0.792	20.12	410	610	4	5	6	-
356160	30	18	0.875	22.22	494	735	4	5	6	-
356170	37	18	0.945	24.00	646	961	4	5	6	-
356180	44	18	1.055	26.80	765	1138	3	4	5	-
356190	60	18	1.165	29.59	998	1485	3	4	5	-
356200	91	18	1.385	35.18	1458	2170	3	4	5	-
664780	2	16	0.367	9.32	69	103	18	19	20	22
659170	3	16	0.386	9.79	86	128	15	16	17	18
659180	4	16	0.415	10.53	105	156	12	13	14	14
656090	5	16	0.448	11.38	125	186	12	13	14	14
673180	6	16	0.483	12.27	145	216	12	13	14	14
656060	7	16	0.483	12.27	159	237	10	11	12	13
661620	8	16	0.519	13.18	179	266	10	11	12	13
656070	10	16	0.599	15.21	222	330	7	8	9	9
673150	12	16	0.618	15.69	254	378	7	8	9	9
326090	16	16	0.647	16.42	288	429	7	8	9	9
656080	20	16	0.751	19.07	393	585	7	8	9	9
281050	24	16	0.831	21.11	467	695	6	7	8	8
356210	30	16	0.924	23.47	473	704	6	7	8	8
272130	37	16	0.987	25.07	712	1060	5	6	7	7
303320	44	16	1.104	28.04	846	1259	5	6	7	6
659400	60	16	1.220	30.99	1155	1719	5	6	7	6
307860	91	16	1.485	37.72	1659	2469	4	5	6	5

Flexible Multi Conductor Low-Voltage Power, Unarmored, 16 AWG (T-75094)

358930	3	16	0.386	9.79	86	128	15	16	17	18
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Note: Color Code - Black, White and Green. Dimensions and weights are nominal; subject to industry tolerances.
¹Reference Ampacity section

