



Offshore and
Marine Shipboard
Cables

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



Flexible Paired Signal Cable
Individually/Overall Shielded, Unarmored
600V/1000V



Product Construction:

1. Conductor:

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

2. Insulation:

- Polyrad® XT-125 Irradiated Cross-Linked Polyolefin (XLPO)
- Color Code: Black and white with printed numbers

3. Individually Shielded Pairs:

- Aluminum/polymer tape and tinned copper drain wire

4. Cable Core:

- Core binder tape when required

5. Overall Shield:

- Overall aluminum/polymer tape with tinned copper drain wire

6. Sheath:

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

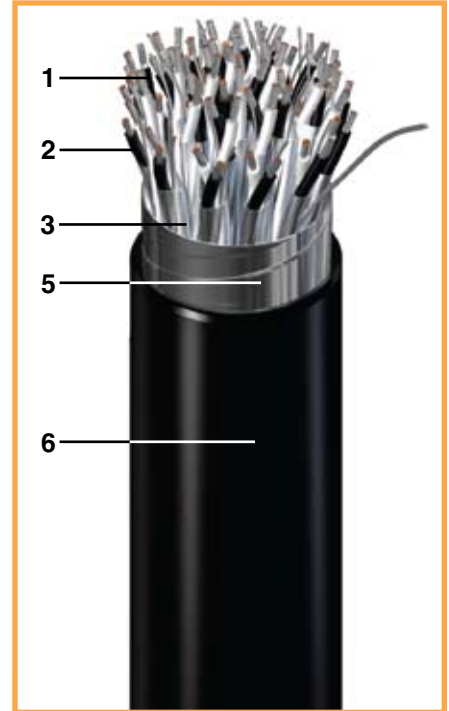
7. Print: (Including but not limited to)

- MOR® POLYRAD® XT-125 (UL) E85994 BR782 110C XX/PR XXAWG OR TC RFHH-2¹ OR XHHW² OR (CSA) 245/1309 FT4 -40C SR 600/1000V OR 600V RW 75 XLPE TC³ OR IEC 60332.3A IEEE 1580 TYPE P (ETL) 109229 YEAR OF MFG SEQUENTIAL FOOTAGE MARK

¹ TC RFHH-2 for 18 AWG and 16 AWG

² TC XHHW for 14 AWG and larger

³ CSA Listing - 600V RW75 XLPE TC for 14 AWG and larger



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
- 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-75198)	# OF PAIRS	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
667750	1	20	0.342	8.69	63	94	9	10	11	-
357430	2	20	0.517	13.13	114	170	6	7	8	-
357440	3	20	0.545	13.84	142	211	6	7	8	-
357450	4	20	0.595	15.11	173	257	5	6	7	-
357460	5	20	0.660	16.70	220	327	4	5	6	-
357470	6	20	0.707	17.96	241	359	4	5	6	-
357480	7	20	0.707	17.96	262	390	4	5	6	-
357490	8	20	0.755	19.18	283	421	4	5	6	-
357500	10	20	0.938	23.83	325	484	4	5	6	-
357510	12	20	0.960	24.38	364	542	3	4	5	-
357520	16	20	1.065	27.05	507	754	3	4	5	-
357530	20	20	1.180	29.97	614	914	3	4	5	-
357540	24	20	1.310	33.27	714	1063	2	3	4	-
276150	1	18	0.362	9.19	77	115	13	14	15	-
357560	2	18	0.553	14.05	141	210	9	10	11	-
357570	3	18	0.586	14.88	179	266	9	10	11	-
357580	4	18	0.638	16.21	222	330	8	9	10	-
357590	5	18	0.699	17.75	266	396	5	6	7	-
357600	6	18	0.761	19.33	312	464	5	6	7	-
357610	7	18	0.761	19.33	344	512	5	6	7	-
357620	8	18	0.826	20.98	391	582	5	6	7	-
357630	10	18	1.010	25.65	525	781	5	6	7	-
357640	12	18	1.044	26.52	600	893	5	6	7	-
357650	16	18	1.145	29.08	750	1116	4	5	6	-
357660	20	18	1.275	32.39	921	1371	4	5	6	-
357670	24	18	1.425	36.20	1104	1643	3	4	5	-

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



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			INCHES	mm	LBS/1000 FT	kg/km	95°C	100°C	110°C	125°C
664750	1	16	0.365	9.27	80	119	18	19	20	25
357690	2	16	0.565	9.27	149	222	12	13	14	22
357700	3	16	0.600	15.24	192	286	12	13	14	18
357710	4	16	0.650	16.51	237	353	10	11	12	14
357720	5	16	0.720	18.29	290	432	7	8	9	14
357730	6	16	0.780	19.81	336	500	7	8	9	14
357740	7	16	0.821	20.85	404	601	7	8	9	13
357750	8	16	0.890	22.61	459	683	7	8	9	13
357760	10	16	1.035	26.29	565	841	7	8	9	9
357770	12	16	1.070	27.18	650	967	6	7	8	9
357780	16	16	1.200	30.48	844	1256	6	7	8	9
357790	20	16	1.335	33.91	1035	1540	6	7	8	9
357800	24	16	1.480	37.59	1224	1822	5	6	7	8
304630	1	14	0.400	10.16	100	149	30	31	33	39
357820	2	14	0.625	15.88	192	286	19	20	21	33
357830	3	14	0.650	16.51	242	360	19	20	21	28
357840	4	14	0.735	18.67	321	478	17	18	19	22
357850	5	14	0.810	20.57	391	582	12	13	14	22
357860	6	14	0.900	22.86	473	704	12	13	14	22
357870	7	14	0.900	22.86	525	781	12	13	14	20
357880	8	14	0.985	25.02	582	866	12	13	14	20
357890	10	14	1.155	29.34	696	1036	12	13	14	14
357900	12	14	1.210	30.73	888	1322	11	12	13	14
357910	16	14	1.345	34.16	1035	1540	9	10	11	14
357920	20	14	1.505	38.23	1183	1761	9	10	11	14
357930	24	14	1.655	42.04	1331	1981	8	9	10	13

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