



Offshore and
Marine Shipboard
Cables

IEEE 1580 Type P MOR® Polyrad® XT-125 Armored & Sheathed



Flexible Paired Signal Cable Individually/Overall Shielded Armored & Sheathed 600V/1000V



Product Construction:

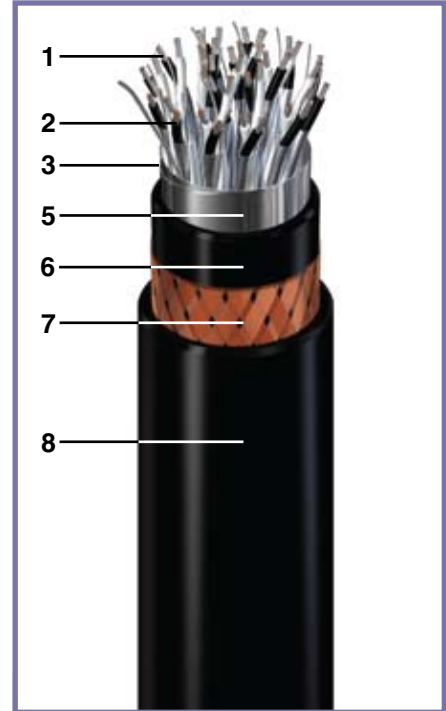
- 1. Conductor:**
 - 20 AWG thru 14 AWG soft annealed tinned copper flexible strand
- 2. Insulation:**
 - Polyrad® XT-125 Irradiated Cross-Linked Polyolefin (XLPO)
 - Color Code: Black and white with printed numbers
- 3. Individually Shielded Pairs:**
 - Aluminum/polymer tape and tinned copper drain wire
- 4. Cable Core:**
 - Core binder tape when required
- 5. Overall Shield:**
 - Overall aluminum/polymer tape with tinned copper drain wire
- 6. Sheath:**
 - Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
- 7. Armor:**
 - Bronze braid 88% minimum coverage
- 8. Sheath:**
 - Mud Oil Resistant, Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
- 9. Print:** (Including but not limited to)
 - MOR® POLYRAD® XT-125 (UL) E85994 BR782B 110C XX/PR XXAWG OR (CSA) 245/1309 FT4 -40C SR 600/1000V OR IEC 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



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CATALOG NUMBER (T-75199)	# 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
359290	1	20	0.522	13.26	195	290	9	10	11	-
357950	2	20	0.697	17.70	304	452	6	7	8	-
357960	3	20	0.725	18.42	341	507	6	7	8	-
357970	4	20	0.775	19.69	389	579	5	6	7	-
357980	5	20	0.840	21.34	450	670	4	5	6	-
357990	6	20	0.927	23.55	476	708	4	5	6	-
358000	7	20	0.927	23.55	498	741	4	5	6	-
358010	8	20	0.975	24.77	567	844	4	5	6	-
358020	10	20	1.158	29.41	645	960	4	5	6	-
358030	12	20	1.180	29.97	714	1063	3	4	5	-
358040	16	20	1.285	32.64	837	1246	3	4	5	-
358050	20	20	1.400	35.56	954	1420	3	4	5	-
358060	24	20	1.530	38.86	1065	1585	2	3	4	-
315750	1	18	0.542	13.77	215	320	13	14	15	-
358080	2	18	0.733	18.62	343	510	9	10	11	-
358090	3	18	0.766	19.46	392	583	9	10	11	-
358100	4	18	0.858	21.79	495	737	8	9	10	-
358110	5	18	0.919	23.34	563	838	5	6	7	-
358120	6	18	0.981	24.92	632	941	5	6	7	-
358130	7	18	0.981	24.92	665	990	5	6	7	-
358140	8	18	1.046	26.57	736	1095	5	6	7	-
358150	10	18	1.230	31.24	942	1402	5	6	7	-
358160	12	18	1.264	32.11	1029	1531	5	6	7	-
358170	16	18	1.365	34.67	1219	1814	4	5	6	-
358180	20	18	1.495	37.97	1440	2143	4	5	6	-
358190	24	18	1.645	41.78	1681	2502	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
279280	1	16	0.545	13.84	219	326	18	19	20	25
358210	2	16	0.745	18.92	355	528	12	13	14	22
358220	3	16	0.780	19.81	410	610	12	13	14	18
358230	4	16	0.870	22.10	515	766	10	11	12	14
358240	5	16	0.940	23.88	595	885	7	8	9	14
358250	6	16	1.000	25.40	662	985	7	8	9	14
358260	7	16	1.041	26.44	748	1113	7	8	9	13
358270	8	16	1.110	28.19	829	1234	7	8	9	13
358280	10	16	1.255	31.88	991	1475	7	8	9	9
358290	12	16	1.290	32.77	1089	1621	6	7	8	9
358300	16	16	1.420	36.07	1334	1985	6	7	8	9
358310	20	16	1.555	39.50	1577	2347	6	7	8	9
358320	24	16	1.760	44.70	1694	2521	5	6	7	8
352490	1	14	0.580	14.73	285	424	30	31	33	39
358340	2	14	0.845	21.46	447	665	19	20	21	33
358350	3	14	0.870	22.10	501	746	19	20	21	28
358360	4	14	0.955	24.26	596	887	17	18	19	22
358370	5	14	1.030	26.16	675	1005	12	13	14	22
358380	6	14	1.120	28.45	789	1174	12	13	14	22
358390	7	14	1.205	28.45	841	1251	12	13	14	20
358400	8	14	1.205	30.61	907	1350	12	13	14	20
358410	10	14	1.375	34.93	1074	1598	12	13	14	14
358420	12	14	1.430	36.32	1283	1909	11	12	13	14
358430	16	14	1.560	39.32	1465	2180	9	10	11	14
358440	20	14	1.725	43.82	1648	2452	9	10	11	14
358450	24	14	1.875	47.63	1831	2725	8	9	10	13

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