Offshore and Onshore RIG Cables

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

Flexible Paired Signal Cable Individually/Overall Shielded Armored & Sheathed

600 V/1000 V

Product Construction:

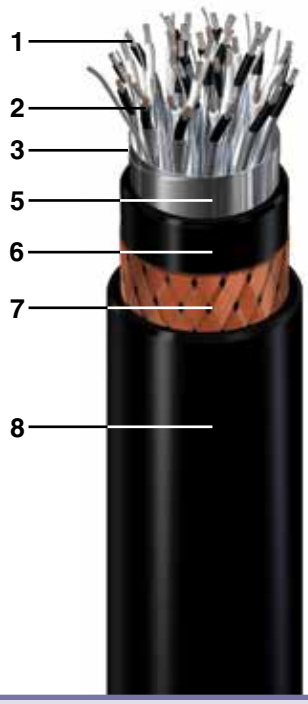
1. **Conductor:**
   - 20 AWG thru 14 AWG soft annealed tinned copper flexible strand
2. **Insulation:**
   - Polyrad® XT-125 Irradiated Cross-linked Polyolefin (XLPO)
   - Color Code: Black and white with printed numbers
3. **Individually Shielded Pairs:**
   - Aluminum/polymer tape and tinned copper drain wire
4. **Cable Core:**
   - Core binder tape when required
5. **Overall Shield:**
   - Overall aluminum/polymer tape with tinned copper drain wire
6. **Jacket:**
   - Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)
7. **Armor:**
   - Bronze braid 88% minimum coverage
8. **Sheath:**
   - Mud Oil-Resistant, Black Irradiated Cross-linked Chlorinated Polyethylene (XL-CPE)
9. **Print:** (Including but not limited to)
   - MOR® POLYRAD® XT-125 (UL) E85994 BR782B 110C XX/PR XXAWG -- (CSA) LL 9755 SPEC 245/1309 FT4 -40C SR 600/1000 V -- 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 Hazardous Locations when installed in accordance with API-RP14F

Features:

- Meets NEK 606 mud oil resistance requirements with 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 1580-2010 Type P
- IEC 60092-350
- Mud oil-resistant
- UL 1309 Type X110
- UL Listed 110°C Marine Shipboard Cable

Flame Test:

- IEEE 1202
- IEC 60332-3-22 Cat. A (supersedes IEC 60332-3A)
- CSA C22.2 No. 0.3 FT4

General Cable

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CATALOG NUMBER	# OF PAIRS	COND. SIZE (AWG)	NOMINAL CABLE DIAMETER		COPPER WEIGHT		NET WEIGHT		AMPACITIES[1] 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
359290	1	20	0.520	13.21	10	15	168	250	9	10	11	-
357950	2	20	0.690	17.53	23	34	288	429	6	7	8	-
357960	3	20	0.720	18.29	33	49	308	458	6	7	8	-
357970	4	20	0.765	19.43	43	64	345	513	5	6	7	-
357980	5	20	0.860	21.84	53	79	420	625	4	5	6	-
357990	6	20	0.925	23.50	63	94	464	690	4	5	6	-
358000	7	20	0.925	23.50	73	109	477	710	4	5	6	-
358010	8	20	0.980	24.89	83	124	514	765	4	5	6	-
358020	10	20	1.150	29.21	104	155	660	982	4	5	6	-
358030	12	20	1.185	30.10	124	185	707	1052	3	4	5	-
358040	16	20	1.285	32.64	164	244	832	1238	3	4	5	-
358050	20	20	1.400	35.56	205	305	959	1427	3	4	5	-
358060	24	20	1.535	38.99	245	365	1101	1638	2	3	4	-
315750	1	18	0.540	13.72	16	24	183	272	13	14	15	-
358080	2	18	0.725	18.42	35	52	326	485	9	10	11	-
358090	3	18	0.760	19.30	52	77	350	521	9	10	11	-
358100	4	18	0.855	21.72	68	101	424	631	8	9	10	-
358110	5	18	0.915	23.24	84	125	487	725	5	6	7	-
358120	6	18	0.980	24.89	100	149	534	795	5	6	7	-
358130	7	18	0.980	24.89	116	173	553	823	5	6	7	-
358140	8	18	1.070	27.18	132	196	637	948	5	6	7	-
358150	10	18	1.215	30.86	164	244	761	1132	5	6	7	-
358160	12	18	1.250	31.75	196	292	825	1228	5	6	7	-
358170	16	18	1.365	34.67	260	387	972	1446	4	5	6	-
358180	20	18	1.490	37.85	324	482	1141	1698	4	5	6	-
358190	24	18	1.625	41.28	388	577	1315	1957	3	4	5	-

Note: Dimensions and weights are nominal; subject to industry tolerances.
[1]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
279280	1	16	0.550	13.97	20	30	194	289	18	19	20	25
358210	2	16	0.750	19.05	45	67	350	521	12	13	14	22
358220	3	16	0.780	19.81	65	97	380	565	12	13	14	18
358230	4	16	0.875	22.23	86	128	460	684	10	11	12	14
358240	5	16	0.945	24.00	106	158	529	787	7	8	9	14
358250	6	16	1.010	25.65	126	187	583	868	7	8	9	14
358260	7	16	1.010	25.65	146	217	607	903	7	8	9	13
358270	8	16	1.115	28.32	166	247	713	1061	7	8	9	13
358280	10	16	1.265	32.13	206	307	839	1248	7	8	9	9
358290	12	16	1.300	33.02	247	368	913	1359	6	7	8	9
358300	16	16	1.420	36.07	337	501	1093	1626	6	7	8	9
358310	20	16	1.545	39.24	408	607	1274	1896	6	7	8	9
358320	24	16	1.760	44.70	488	726	1567	2332	5	6	7	8
352490	1	14	0.575	14.61	31	46	220	327	30	31	33	39
358340	2	14	0.790	20.07	71	106	412	613	19	20	21	33
358350	3	14	0.875	22.23	103	153	485	722	19	20	21	28
358360	4	14	0.935	23.75	134	199	551	820	17	18	19	22
358370	5	14	1.010	25.65	166	247	634	943	12	13	14	22
358380	6	14	1.125	28.58	197	293	756	1125	12	13	14	22
358390	7	14	1.125	28.58	229	341	791	1177	12	13	14	20
358400	8	14	1.200	30.48	260	387	875	1302	12	13	14	20
358410	10	14	1.365	34.67	323	481	1027	1528	12	13	14	14
358420	12	14	1.410	35.81	386	574	1129	1680	11	12	13	14
358430	16	14	1.525	38.74	513	763	1370	2039	9	10	11	14
358440	20	14	1.740	44.20	639	951	1702	2533	9	10	11	14
358450	24	14	1.900	48.26	765	1138	1974	2937	8	9	10	13

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