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IEEE 1580 Type P

MOR® Polyrad® XT-125 Flexible Armored & Sheathed Cables


FLAME-RETARDANT


FLEXIBLE


CRUSH- & IMPACT-RESISTANT


HEAVY-DUTY


OIL-RESISTANT


MUD OIL-RESISTANT


SUNLIGHT-RESISTANT

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Offshore and Marine Shipboard Cables

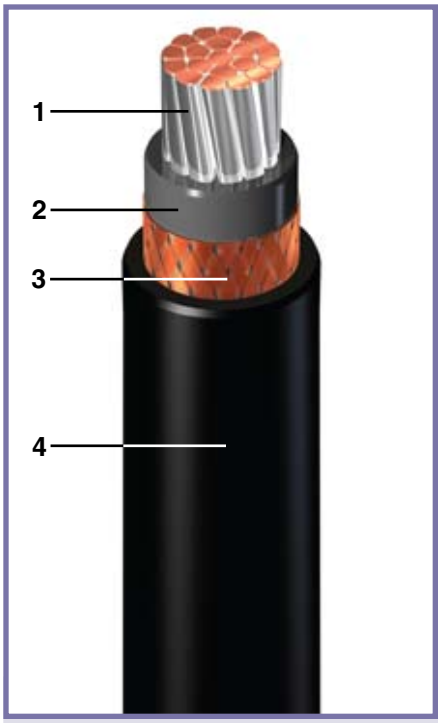
IEEE 1580 Type P MOR® Polyrad® XT-125 Armored & Sheathed

Flexible Single Conductor Power Armored & Sheathed

2kV/1000V & 2kV/1000V Heavy-Duty

Product Construction:

1. **Conductor:**
   - 1 AWG thru 1111 kcmil soft annealed tinned copper flexible strand
2. **Insulation:**
   - Polyrad® XT-125 Irradiated Cross-Linked Polyolefin (XLPO) – Black
   - Polyrad® XT-125 Heavy-Duty (HD) Irradiated Cross-Linked Polyolefin (XLPO) – 4/0 AWG and larger – Black
3. **Armor:**
   - Bronze braid 88% minimum coverage
4. **Sheath:**
   - Mud Oil Resistant, Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
5. **Print:** (Including but not limited to)
   - MOR® POLYRAD® XT-125 (UL) E85994 BR781B 110C 1/C XXAWG 2000V OR (CSA) 245/1309 FT4 -40C SR IEC 1KV 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
- 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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Offshore and Marine Shipboard Cables

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

Flexible Single Conductor Power Armored & Sheathed

2kV/1000V & 2kV/1000V Heavy-Duty

CATALOG NUMBER (T-75125)	# OF CORES	COND. (AWG) SIZE	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
357370	1	1	0.698	17.73	521	775	180	194	208	281
300140	1	1/0	0.747	18.97	600	893	217	227	243	319
357380	1	2/0	0.785	19.94	688	1024	251	262	281	354
326600	1	3/0	0.912	23.16	918	1366	289	300	321	437

2kV/1000V — 3/0 AWG and smaller constructions with Regular-Duty insulation thickness.

CATALOG NUMBER (T-75125)	# OF CORES	COND. (AWG) SIZE	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
281120	1	4/0	1.045	26.54	1195	1778	337	351	376	495
357390	1	262	1.090	27.69	1290	1920	392	407	426	559
357400	1	313	1.175	29.84	1488	2214	439	455	491	617
357410	1	373	1.240	31.50	1710	2545	507	526	563	692
281130	1	444	1.320	33.53	2115	3148	567	588	630	772
279330	1	535	1.460	37.08	2565	3817	638	662	709	871
279340	1	646	1.570	39.88	2950	4390	693	715	766	979
279350	1	777	1.685	42.80	3497	5204	750	830	889	1101
359080	1	1111	1.925	48.90	9651	6921	972	1003	1073	1374

2kV/1000V Heavy-Duty — 4/0 AWG and larger constructions with Heavy-Duty (HD) insulation thickness.

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

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Offshore and Marine Shipboard Cables

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

Flexible Multi Conductor Control Armored & Sheathed 18 AWG & 16 AWG

600V/1000V

Product Construction:

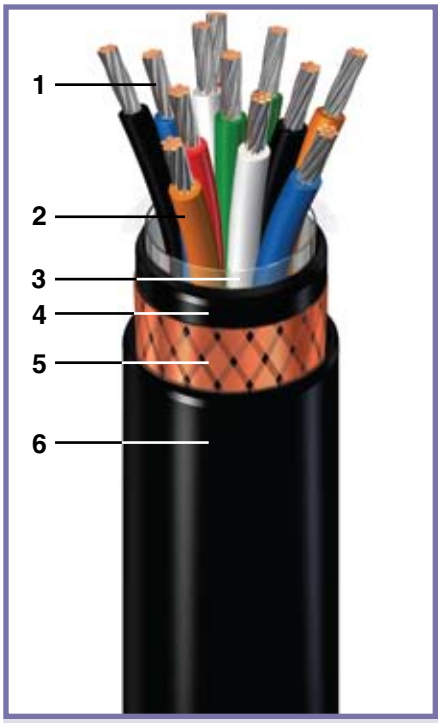
1. **Conductor:**
   - 18 AWG and 16 AWG soft annealed tinned copper flexible strand
2. **Insulation:**
   - Polyrad® XT-125 Irradiated Cross-Linked Polyolefin (XLPO)
   - Color Code: Per IEEE 1580 Table 22
3. **Cable Core:**
   - Cabled with fillers when required
   - Core binder tape when required
4. **Sheath:**
   - Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
5. **Armor:**
   - Bronze braid 88% minimum coverage
6. **Sheath:**
   - Mud Oil Resistant, Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
7. **Print:** (Including but not limited to)
   - MOR® POLYRAD® XT-125 (UL) E85994 BR782B 110C XX/C XXAWG 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

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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Offshore and Marine Shipboard Cables

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

Flexible Multi Conductor Control Armored & Sheathed 18 AWG & 16 AWG

600V/1000V

CATALOG NUMBER (T-75126)	# 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
356540	2	18	0.535	13.59	203	302	13	14	15	-
321710	3	18	0.553	14.04	223	332	11	12	13	-
356550	4	18	0.585	14.86	253	377	9	10	11	-
356560	5	18	0.605	15.37	273	406	9	10	11	-
356570	6	18	0.645	16.38	307	457	9	10	11	-
356580	7	18	0.645	16.38	320	476	7	8	9	-
356590	8	18	0.680	17.27	367	546	7	8	9	-
356600	10	18	0.755	19.18	414	616	5	6	7	-
356610	12	18	0.765	19.43	441	656	5	6	7	-
356620	16	18	0.872	22.15	574	854	5	6	7	-
306040	20	18	0.939	23.85	664	988	5	6	7	-
356630	24	18	1.015	25.78	703	1046	4	5	6	-
356640	30	18	1.095	27.81	805	1198	4	5	6	-
356650	37	18	1.165	29.59	1040	1548	4	5	6	-
356660	44	18	1.275	32.38	1201	1787	3	4	5	-
356670	60	18	1.385	35.18	1476	2197	3	4	5	-
356680	91	18	1.605	40.77	2020	3006	3	4	5	-
356690	2	16	0.547	13.89	211	314	18	19	20	22
287750	3	16	0.566	14.37	234	348	15	16	17	18
326110	4	16	0.595	15.10	263	391	12	13	14	14
356700	5	16	0.628	15.96	293	436	12	13	14	14
313850	6	16	0.663	16.84	325	484	12	13	14	14
356710	7	16	0.663	16.84	339	504	10	11	12	13
287740	8	16	0.699	17.75	372	554	10	11	12	13
356720	10	16	0.779	19.79	441	656	7	8	9	9
326080	12	16	0.798	20.26	479	713	7	8	9	9
356730	16	16	0.867	22.01	566	842	7	8	9	9
315790	20	16	0.971	24.66	712	1060	7	8	9	9
281140	24	16	1.051	26.70	816	1214	6	7	8	8
356740	30	16	1.071	27.20	995	1481	6	7	8	8
356750	37	16	1.207	30.66	1121	1668	5	6	7	7
303330	44	16	1.315	33.40	1286	1914	5	6	7	6
281150	60	16	1.440	36.58	1603	2385	5	6	7	6
307870	91	16	1.765	44.83	2394	3563	4	5	6	5

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

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Offshore and Marine Shipboard Cables

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

Flexible Multi Conductor Control Armored & Sheathed 14 AWG, 12 AWG & 10 AWG

600V/1000V

Product Construction:

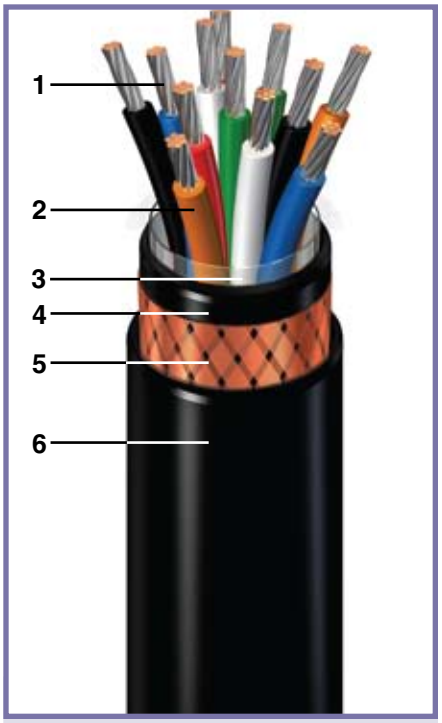
1. **Conductor:**
   - 14 AWG thru 10 AWG soft annealed tinned copper flexible strand
2. **Insulation:**
   - Polyrad® XT-125 Irradiated Cross-Linked Polyolefin (XLPO)
   - Color Code: Per IEEE 1580 Table 22
3. **Cable Core:**
   - Cabled with fillers when required
   - Core binder tape when required
4. **Sheath:**
   - Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
5. **Armor:**
   - Bronze braid 88% minimum coverage
6. **Sheath:**
   - Mud Oil Resistant, Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
7. **Print:** (Including but not limited to)
   - MOR® POLYRAD® XT-125 (UL) E85994 BR782B 110C XX/C XXAWG 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

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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Offshore and Marine Shipboard Cables

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

Flexible Multi Conductor Control Armored & Sheathed 14 AWG, 12 AWG & 10 AWG

600V/1000V

CATALOG NUMBER (T-75126)	# 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
326120	2	14	0.575	14.60	235	350	30	31	33	33
279320	3	14	0.595	15.11	265	394	24	25	27	28
279310	4	14	0.635	16.13	306	455	19	20	22	22
281180	5	14	0.670	17.02	343	510	19	20	22	22
302600	6	14	0.710	18.03	383	570	19	20	22	22
281170	7	14	0.710	18.03	403	600	17	18	19	20
356760	8	14	0.755	19.18	448	667	17	18	19	20
279170	10	14	0.880	22.35	574	854	12	13	14	14
352480	12	14	0.910	23.11	635	945	12	13	14	14
315770	14	14	0.940	23.88	689	1025	12	13	14	14
356770	16	14	0.960	24.38	779	1159	12	13	14	14
279180	20	14	1.045	26.54	877	1305	12	13	14	14
315820	24	14	1.195	30.35	1074	1558	10	11	12	13
356780	30	14	1.260	32.00	1244	1851	10	11	12	13
279190	37	14	1.325	33.65	1419	2112	9	10	11	11
356790	44	14	1.475	37.46	1676	2494	8	9	10	10
356800	60	14	1.670	42.42	2221	3305	8	9	10	10
356810	91	14	2.020	51.31	3231	4808	7	8	9	8
281160	2	12	0.615	15.62	274	408	38	40	43	44
279200	3	12	0.640	16.26	316	470	30	31	33	37
279210	4	12	0.675	17.14	362	539	24	25	26	30
356820	5	12	0.730	18.54	422	628	24	25	26	30
356830	6	12	0.765	19.43	466	694	24	25	26	30
355760	7	12	0.765	19.43	495	737	21	22	23	26
356840	8	12	0.815	20.70	552	821	21	22	23	26
287710	10	12	0.955	24.26	709	1055	15	16	17	19
356850	16	12	1.005	26.80	1163	1731	15	16	17	19
281210	20	12	1.205	30.61	1185	1764	15	16	17	19
356860	24	12	1.270	32.27	1431	2129	13	14	15	17
356870	30	12	1.330	33.78	1632	2429	13	14	15	17
287730	37	12	1.460	37.08	1853	2758	12	13	14	15
356880	44	12	1.575	40.01	2066	3074	10	11	12	13
356890	60	12	1.850	46.99	2929	4359	10	11	12	13
356900	91	12	2.155	54.74	3562	5301	8	9	10	11

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

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Offshore and Marine Shipboard Cables

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

Flexible Multi Conductor Control Armored & Sheathed 14 AWG, 12 AWG & 10 AWG

600V/1000V

CATALOG NUMBER (T-75126)	# 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
326130	2	10	0.675	17.14	338	503	47	49	52	64
279220	3	10	0.700	17.78	369	549	39	41	44	49
279230	4	10	0.750	19.05	469	698	31	33	35	39
356910	5	10	0.810	20.57	550	819	31	33	35	39
356920	6	10	0.855	21.72	616	917	31	33	35	39
316620	7	10	0.855	21.72	662	985	27	29	31	34
356930	8	10	0.910	23.11	737	1097	27	29	31	34
356940	10	10	1.135	28.83	1024	1524	19	21	22	25
356950	12	10	1.165	29.59	1137	1692	19	21	22	25

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

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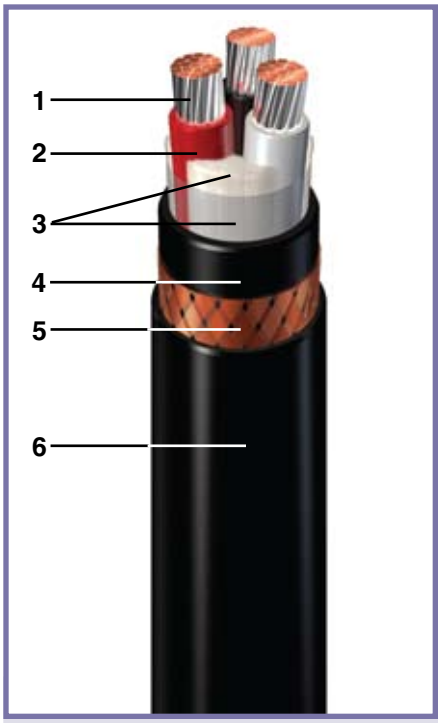
Offshore and Marine Shipboard Cables

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

Flexible Multi Conductor Power Armored & Sheathed
600V/1000V

Product Construction:

1. **Conductor:**
   - 8 AWG thru 777 kcmil 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:**
   - Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
5. **Armor:**
   - Bronze braid 88% minimum coverage
6. **Sheath:**
   - Mud Oil Resistant, Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
7. **Print:** (Including but not limited to)
   - MOR® POLYRAD® XT-125 (UL) E85994 BR782B 110C XX/C XXAWG 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



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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Flexible Multi Conductor Power Armored & Sheathed

600V/1000V

CATALOG NUMBER (T-75126)	# 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
356960	2	8	0.774	19.66	457	680	62	64	69	77
326140	2	6	0.892	22.66	650	967	82	85	91	111
356970	2	5	1.010	25.65	789	1174	96	101	109	147
321820	2	4	1.050	26.67	889	1323	105	110	118	153
356980	2	3	1.155	29.34	1015	1511	126	132	141	180
326150	2	2	1.225	31.11	1091	1624	143	149	160	196
356990	2	1	1.391	35.33	1525	2270	162	174	186	245
357000	2	1/0	1.489	37.82	1758	2616	191	199	213	278
357010	2	2/0	1.565	39.75	2093	3115	232	242	259	309
286660	2	3/0	1.839	46.71	2615	3892	255	265	284	382
357020	2	4/0	1.945	49.40	3149	4686	295	307	329	432
357030	2	262	2.075	52.70	3519	5237	345	358	378	481
357040	2	313	2.215	56.26	4100	6102	378	391	420	539
387840	2	373	2.455	62.36	4635	6897	440	456	497	599
387850	2	444	2.650	67.31	4822	7175	486	504	556	669
387860	2	535	2.950	74.93	5804	8636	546	566	625	741
14444.026800[2]	2	646	3.245	82.42	7114	10586	603	625	649	944
14444.027000[2]	2	777	3.415	86.74	8205	12209	674	699	784	951
279240	3	8	0.861	21.87	581	865	50	52	56	63
279260	3	6	0.945	24.01	742	1104	67	70	75	91
357050	3	5	1.128	28.65	1037	1543	78	82	88	120
287700	3	4	1.171	29.74	1142	1670	87	92	99	126
357060	3	3	1.225	31.11	1247	1856	103	108	116	148
281220	3	2	1.301	33.04	1400	2083	116	122	131	161
293880	3	1	1.480	37.59	1961	2918	137	143	153	202
281230	3	1/0	1.646	41.80	2387	3552	157	164	176	229
318840	3	2/0	1.768	44.90	2791	4154	180	188	201	254
286670	3	3/0	2.006	50.95	3611	5229	209	218	233	313
326160	3	4/0	2.180	55.38	4310	6414	242	252	270	354
293910	3	262	2.321	58.94	4838	7200	283	294	310	395
286680	3	313	2.472	62.78	5610	8349	309	321	345	442
316610	3	373	2.612	66.35	6351	9452	361	375	406	492
357070	3	444	2.815	71.50	7480	11132	396	411	454	549
357080	3	535	3.036	77.11	8773	13056	448	465	511	608
14444.036800[2]	3	646	3.285	83.44	9915	14754	492	510	525	678
14444.037000[2]	3	777	3.460	87.88	11865	17655	552	573	640	750

Note: Dimensions and weights are nominal; subject to industry tolerances.
[1]Reference Ampacity section
[2]Thermoset CPE jacket (XL-CPE) not tested to NEK 606 Mud Oil Resistance.

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Offshore and Marine Shipboard Cables

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

Flexible Multi Conductor Power Armored & Sheathed

600V/1000V

CATALOG NUMBER (T-75126)	# 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
279250	4	8	0.919	23.35	684	1018	40	42	45	50
279270	4	6	1.013	25.73	890	1325	54	56	60	73
357090	4	5	1.210	30.74	1223	1820	62	66	70	96
291730	4	4	1.259	31.97	1358	2021	70	74	79	101
357100	4	3	1.319	33.50	1547	2302	82	86	93	118
302610	4	2	1.403	35.64	1711	2546	93	98	105	129
302620	4	1	1.663	42.24	2543	3784	110	114	122	162
355660	4	1/0	1.781	45.24	2910	4331	126	131	141	183
302630	4	2/0	1.963	49.86	3484	5185	144	150	161	203
302640	4	3/0	2.202	55.94	4403	6553	167	174	186	250
296180	4	4/0	2.360	59.95	5220	7768	194	202	216	283
357110	4	262	2.457	62.40	5816	8655	226	235	248	316
357120	4	313	2.626	66.69	6697	9966	247	257	276	354
357130	4	373	2.842	72.19	8040	11956	289	300	325	394
14444.046400[2]	4	444	3.080	78.23	9340	13898	317	329	363	439
14444.046600[2]	4	535	3.320	84.33	11192	16654	358	372	409	486
14444.046800[2]	4	646	3.460	87.88	11874	17669	394	408	420	542
14444.047000[2]	4	777	3.800	96.52	15032	22368	442	452	512	600
357140	5	8	0.986	25.05	800	1191	40	42	45	50
357150	5	6	1.132	28.75	1151	1713	54	56	60	73
357160	5	5	1.306	33.17	1402	2086	62	66	70	96
357170	5	4	1.360	34.54	1584	2357	70	74	79	101
357180	5	3	1.428	36.26	1806	2688	82	86	93	118
357190	5	2	1.522	38.66	2074	3087	93	98	105	129
357200	5	1	1.806	45.87	3132	4661	110	114	122	162
357210	5	1/0	1.998	50.76	3645	5424	126	131	141	183
357220	5	2/0	2.101	53.37	4244	6316	144	150	161	203
357230	5	3/0	2.396	60.86	5519	8213	167	174	186	250
357240	5	4/0	2.539	64.49	6228	9269	194	202	216	283
357250	5	262	2.758	70.05	6415	9546	226	235	248	316
357260	5	313	2.926	74.32	7399	11010	247	257	276	354
357130	5	373	3.085	78.36	8933	13292	289	300	325	394
14444.056400[2]	5	444	3.260	82.80	10347	15396	317	329	363	439
14444.056600[2]	5	535	3.560	90.42	12844	19112	358	372	420	486

Note: Dimensions and weights are nominal; subject to industry tolerances.
[1]Reference Ampacity section
[2]Thermoset CPE jacket (XL-CPE) not tested to NEK 606 Mud Oil Resistance.

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Offshore and Marine Shipboard Cables

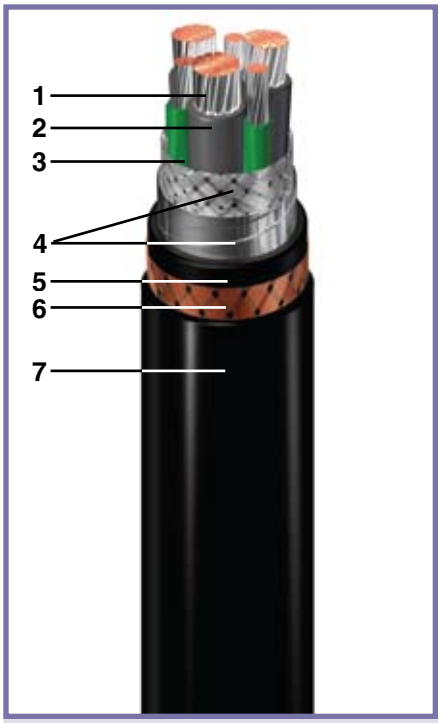
IEEE 1580 Type P MOR® Polyrad® XT-125 Armored & Sheathed

Flexible Variable Frequency Drive Power Armored & Sheathed

2kV/1000V

Product Construction:

1. **Conductor:**
   - 8 AWG thru 777 kcmil soft annealed tinned copper flexible strand
2. **Insulation:**
   - Polyrad® XT-125 Irradiated Cross-Linked Polyolefin (XLPO)
   - Color Code: All black with printed numbers
3. **Ground:**
   - 3 split green insulated flexible tinned copper conductors sized to UL 1277
4. **Shield:**
   - Overall tinned copper braid with aluminum/polyester tape – 100% coverage for enhanced shield effectiveness required by VFD applications
5. **Sheath:**
   - Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
6. **Armor:**
   - Bronze braid 88% minimum coverage
7. **Sheath:**
   - Mud Oil Resistant, Black Irradiated Cross-Linked Chlorosulfonated Polyethylene
8. **Print:** (Including but not limited to)
   - MOR® POLYRAD® XT-125 VFD (UL) E85994 BR782B 110C 3C XXAWG+3GRNDS SHIELDED OR (CSA) 245/1309 FT4 -40C SR OR (ETL) US 109229 IEEE 1580-2001 IEC 1KV 60332.3A DAY/MONTH/YEAR, SEQUENTIAL MARK
9. **Option:**
   - Full-sized insulated ground wires
   - Uninsulated ground wires



Applications:

- AC motor variable frequency drives
- 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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IEEE 1580 Type P
MOR® Polyrad® XT-125
Armored & Sheathed

Flexible Variable Frequency Drive Power
Armored & Sheathed
2kV/1000V

CATALOG NUMBER (VFD)	# OF CORES	COND. SIZE (AWG)	GROUNDING 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
381820IG	3	8	3 x #14	0.960	24.38	665	990	50	52	56	63
381830IG	3	6	3 x #12	1.045	26.54	940	1400	67	70	75	91
381840IG	3	4	3 x #12	1.265	32.13	1325	1970	87	92	99	126
381850IG	3	2	3 x #10	1.405	35.69	1710	2545	116	122	131	161
381860IG	3	1	3 x #10	1.590	40.39	2170	3230	137	143	153	202
359690IG	3	1/0	3 x #10	1.965	49.91	2700	4018	157	164	176	229
359700IG	3	2/0	3 x #10	2.035	51.69	2930	4360	180	188	201	254
359710IG	3	3/0	3 x #8	2.150	54.61	3780	5625	209	218	233	313
353040IG	3	4/0	3 x #8	2.210	56.13	4330	6443	242	252	270	354
359720IG	3	262	3 x #6	2.420	61.47	4995	7433	283	294	310	395
359730IG	3	313	3 x #6	2.585	65.66	5650	8408	309	321	345	442
359740IG	3	373	3 x #6	2.770	70.36	6785	10097	361	375	406	492
387870IG	3	444	3 x #6	2.985	75.82	7590	11294	396	411	454	594
14448.036600IG[2]	3	535	3 x #6	3.205	81.41	8950	13318	448	465	511	608
14448.036800IG[2]	3	646	3 x #4	3.305	83.95	10190	15163	492	510	525	678
14448.037000IG[2]	3	777	3 x #4	3.595	91.31	12465	18548	552	573	640	750

Note: Dimensions and weights are nominal; subject to industry tolerances.
[1]Reference Ampacity section
[2]Thermoset CPE jacket (XL-CPE) not tested to NEK 606 Mud Oil Resistance.

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Offshore and Marine Shipboard Cables

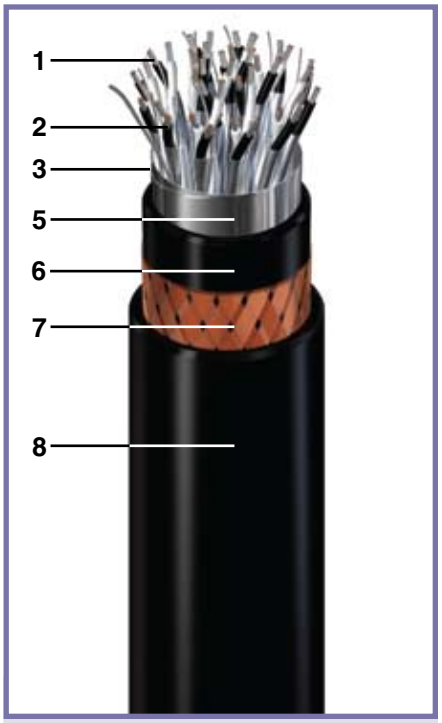
IEEE 1580 Type P MOR® Polyrad® XT-125 Armored & Sheathed

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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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

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.
[1]Reference Ampacity section

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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

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
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.
[1]Reference Ampacity section

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Offshore and Marine Shipboard Cables

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

Flexible Triad Signal Cable Individually/Overall Shielded Armored & Sheathed

600V/1000V

Product Construction:

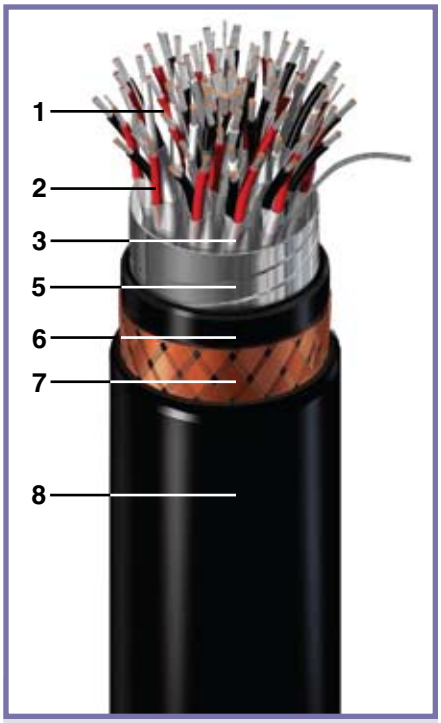
1. **Conductor:**
   - 18 AWG and 16 AWG soft annealed tinned copper flexible strand
2. **Insulation:**
   - Polyrad® XT-125 Irradiated Cross-Linked Polyolefin (XLPO)
   - Color Code: Black, white and red with printed numbers
3. **Individually Shielded Triads:**
   - Aluminum/polymer tape and tinned 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/TRI 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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IEEE 1580 Type P MOR® Polyrad® XT-125 Armored & Sheathed

Flexible Triad Signal Cable Individually/Overall Shielded Armored & Sheathed

600V/1000V

CATALOG NUMBER (T-75201)	# OF TRIADS	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
358660	1	18	0.560	14.22	235	350	11	12	13	-
358670	2	18	0.790	20.07	396	589	8	9	10	-
358680	3	18	0.828	21.03	460	685	7	8	9	-
358690	4	18	0.927	23.55	582	786	5	6	7	-
358700	5	18	0.996	25.30	667	993	5	6	7	-
358710	6	18	1.068	27.13	754	1122	5	6	7	-
358720	7	18	1.068	27.13	799	1189	4	5	6	-
358730	8	18	1.155	29.34	826	1229	4	5	6	-
358740	12	18	1.350	34.29	1187	1766	4	5	6	-
358750	16	18	1.475	37.47	1294	1926	3	4	5	-
358760	1	16	0.575	14.61	251	374	15	16	17	25
358770	2	16	0.819	20.80	428	637	12	13	14	22
358780	3	16	0.859	21.82	502	747	11	12	13	18
358790	4	16	0.962	24.43	637	948	8	9	10	14
358800	5	16	1.035	26.29	734	1092	8	9	10	14
358810	6	16	1.220	30.99	971	1445	8	9	10	14
358820	7	16	1.220	30.99	1024	1524	7	8	9	13
358830	8	16	1.298	32.97	1133	1686	7	8	9	13
358840	12	16	1.512	37.95	1503	2237	6	7	8	9
358850	16	16	1.648	41.86	1819	2707	5	6	7	9

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

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