

BOSTMARINE TYPE LSX POWER CABLE

four conductor / LSZH / unarmored & armored
 14 AWG to 500 MCM / 600V

APPLICATIONS

BOSTMARINE Type LSX 600 volt cables are suitable for use in commercial marine applications where low smoke/zero halogen flame retardant cables having excellent physical and electrical properties are required. The insulation system has a continuous operating temperature of 90°C.

These cables meet all test requirements of IEEE 45 (1998), IEEE 1580 (2001), UL 1309 and the Flame Test in IEC 60332-3, Category A. They are listed by ETL, a nationally recognized testing laboratory, per IEEE 45 (1998), IEEE 1580 (2001) and UL 1309/CSA 245 for 600 volts. Type LSX cables are approved by ABS.

Aluminum and bronze armored versions are available.

Optional outer PVC sheath available upon request.

FEATURES

- IEEE STANDARD 45 (1998)
- IEEE STANDARD 1580 (2001)
- UL 1309/CSA 245 (1995) FIRST EDITION

CONSTRUCTION

1. CONDUCTOR

Soft annealed bare copper per ASTM B 3 and B 8, stranded as shown in table on reverse.

2. INSULATION

Bostmarine Type LSX thermosetting low smoke cross-linked polyethylene meeting specifications IEEE 45 (1998), IEEE-1580 (2001), UL 1309 X90 and J-502. Thickness as shown in tables on the reverse.

3. JACKET

Flame-retardant thermoplastic low smoke polyolefin is applied over the cable core (covered with a polyester separator tape) and complies with Type TPO thermoplastic low smoke polyolefin as required in IEEE 45 (1998) and UL 1309 Type TPE.

RATINGS

Meets all test requirements of IEEE 45 (1998), IEEE 1580 (2001), UL 1309/CSA 245 (1995) First Edition and the Flame Test in IEC 60332-3, Category A.

APPROVALS

ETL/Intertek Testing Services Listed as Marine Shipboard Cable in accordance with IEEE 45 (1998), IEEE 1580 (2001), UL 1309/CSA 245 and the performance requirements of IEC 60092-3 for 0.6/1 kV

American Bureau of Shipping Approval Certificate No. B315003-X.

Manufactured to Draka Cableteq USA Specifying Standard J-502



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TPC Cable Type	Part Number	Conductor Size	Stranding Type	Insulation Thickness in • mm	Jacket Thickness in • mm	Cable Diameter (nominal) in • mm	Cable Weight (approximate) Lbs/mft • Kg/km
FLSXTPO-4	036338	14 • 2.1	7/24.2	0.030 • 0.76	0.045 • 1.14	0.440 • 11.2	120 • 179
FLSXTPO-6	036339	12 • 3.3	7/30.5	0.030 • 0.76	0.045 • 1.14	0.485 • 12.3	164 • 244
FLSXTPO-10	036340	10 • 5.3	7/38.5	0.030 • 0.76	0.060 • 1.52	0.575 • 14.6	241 • 359
FLSXTPO-16	036341	8 • 8.4	7/48.6	0.045 • 1.14	0.060 • 1.52	0.730 • 18.5	382 • 568
FLSXTPO-26	036342	6 • 13.3	7/61.2	0.045 • 1.14	0.060 • 1.52	0.830 • 21.1	542 • 806
FLSXTPO-41	036343	4 • 21.1	7/77.2	0.045 • 1.14	0.080 • 2.03	0.990 • 25.1	824 • 1226
FLSXTPO-66	036344	2 • 33.6	7/97.4	0.045 • 1.14	0.080 • 2.03	1.140 • 29.0	1205 • 1793
FLSXTPO-83	036345	1 • 42.4	19/66.4	0.055 • 1.40	0.080 • 2.03	1.290 • 32.8	1500 • 2232
FLSXTPO-106	036346	1/0 • 53.5	19/74.5	0.055 • 1.40	0.080 • 2.03	1.390 • 35.3	1782 • 2652
FLSXTPO-133	036347	2/0 • 67.4	19/83.7	0.055 • 1.40	0.080 • 2.03	1.500 • 38.1	2220 • 3303
FLSXTPO-168	036348	3/0 • 85.0	19/94.0	0.055 • 1.40	0.080 • 2.03	1.625 • 41.3	2706 • 4027
FLSXTPO-212	036349	4/0 • 107.2	19/105.5	0.055 • 1.40	0.110 • 2.79	1.830 • 49.5	3444 • 5125
FLSXTPO-250	036350	250 • 127.0	37/82.2	0.065 • 1.65	0.110 • 2.79	2.000 • 50.8	4002 • 5955
FLSXTPO-300	036351	300 • 152.0	37/90.0	0.065 • 1.65	0.110 • 2.79	2.130 • 54.1	4680 • 6964
FLSXTPO-350	036352	350 • 177.0	37/97.3	0.065 • 1.65	0.110 • 2.79	2.260 • 57.4	5464 • 8130
FLSXTPO-400	036353	400 • 203.0	37/104.0	0.065 • 1.65	0.110 • 2.79	2.370 • 60.2	6140 • 9136
FLSXTPO-500	036354	500 • 253.0	37/116.2	0.065 • 1.65	0.110 • 2.79	2.580 • 65.5	7560 • 11250

four conductor / LSZH / aluminum or bronze armored
14 AWG to 500 MCM / 600V

TPC Cable Type	Part Number*	Conductor Size	Stranding Type	Insulation Thickness in • mm	Jacket Thickness in • mm	Armored Cable Diameter in • mm	Aluminum arm. Cable Weight Lbs/mft • Kg/km	Bronze arm. Cable Weight Lbs/mft • Kg/km
FLSXTPO-4	036338	14 • 2.1	7/24.2	0.030 • 0.76	0.045 • 1.14	0.495 • 12.6	147 • 219	209 • 311
FLSXTPO-6	036339	12 • 3.3	7/30.5	0.030 • 0.76	0.045 • 1.14	0.540 • 13.7	193 • 287	262 • 390
FLSXTPO-10	036340	10 • 5.3	7/38.5	0.030 • 0.76	0.060 • 1.52	0.630 • 16.0	276 • 411	356 • 530
FLSXTPO-16	036341	8 • 8.4	7/48.6	0.045 • 1.14	0.060 • 1.52	0.785 • 19.9	426 • 634	526 • 783
FLSXTPO-26	036342	6 • 13.3	7/61.2	0.045 • 1.14	0.060 • 1.52	0.885 • 22.5	591 • 879	705 • 1049
FLSXTPO-41	036343	4 • 21.1	7/77.2	0.045 • 1.14	0.080 • 2.03	1.045 • 26.5	882 • 1312	1017 • 1513
FLSXTPO-66	036344	2 • 33.6	7/97.4	0.045 • 1.14	0.080 • 2.03	1.195 • 30.4	1272 • 1893	1427 • 2123
FLSXTPO-83	036345	1 • 42.4	19/66.4	0.055 • 1.40	0.080 • 2.03	1.345 • 34.2	1576 • 2345	1750 • 2604
FLSXTPO-106	036346	1/0 • 53.5	19/74.5	0.055 • 1.40	0.080 • 2.03	1.445 • 36.7	1863 • 2772	2051 • 3052
FLSXTPO-133	036347	2/0 • 67.4	19/83.7	0.055 • 1.40	0.080 • 2.03	1.555 • 39.5	2308 • 3434	2501 • 3721
FLSXTPO-168	036348	3/0 • 85.0	19/94.0	0.055 • 1.40	0.080 • 2.03	1.680 • 42.7	2801 • 4168	3020 • 4494
FLSXTPO-212	036349	4/0 • 107.2	19/105.5	0.055 • 1.40	0.110 • 2.79	1.885 • 47.9	3551 • 5284	3797 • 5650
FLSXTPO-250	036350	250 • 127.0	37/82.2	0.065 • 1.65	0.110 • 2.79	2.055 • 52.2	4118 • 6128	4387 • 6528
FLSXTPO-300	036351	300 • 152.0	37/90.0	0.065 • 1.65	0.110 • 2.79	2.185 • 55.5	4804 • 7148	5090 • 7574
FLSXTPO-350	036352	350 • 177.0	37/97.3	0.065 • 1.65	0.110 • 2.79	2.315 • 58.8	5595 • 8325	5899 • 8778
FLSXTPO-400	036353	400 • 203.0	37/104.0	0.065 • 1.65	0.110 • 2.79	2.425 • 61.6	6278 • 9342	6595 • 9813
FLSXTPO-500	036354	500 • 253.0	37/116.2	0.065 • 1.65	0.110 • 2.79	2.635 • 66.9	7710 • 11472	8055 • 11986

*NOTE: For aluminum armored versions, add an A (ex. 036299A). For bronze armored versions, add a B (ex. 036299B).

This information is provided for reference only, please consult the factory or your representative to confirm all engineering information.

This information is not meant to replace the information in the appropriate and applicable standard or code.