

BOSTMARINE TYPE LSX POWER CABLE

two conductor / LSZH / unarmored & armored
 14 AWG to 1000 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-500. 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-500



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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
DLSXTPO-4	036299	14 • 2.1	7/24.2	0.030 • 0.76	0.045 • 1.14	0.380 • 9.7	81 • 121
DLSXTPO-6	036300	12 • 3.3	7/30.5	0.030 • 0.76	0.045 • 1.14	0.420 • 10.7	98 • 146
DLSXTPO-10	036301	10 • 5.3	7/38.5	0.030 • 0.76	0.045 • 1.14	0.470 • 11.9	138 • 205
DLSXTPO-16	036302	8 • 8.4	7/48.6	0.045 • 1.14	0.060 • 1.52	0.630 • 16.0	234 • 348
DLSXTPO-26	036303	6 • 13.3	7/61.2	0.045 • 1.14	0.060 • 1.52	0.705 • 17.9	280 • 417
DLSXTPO-41	036304	4 • 21.1	7/77.2	0.045 • 1.14	0.060 • 1.52	0.810 • 20.6	448 • 667
DLSXTPO-66	036305	2 • 33.6	7/97.4	0.045 • 1.14	0.080 • 2.03	0.970 • 24.6	682 • 1015
DLSXTPO-83	036306	1 • 42.4	19/66.4	0.055 • 1.40	0.080 • 2.03	1.090 • 27.7	835 • 1242
DLSXTPO-106	036307	1/0 • 53.5	19/74.5	0.055 • 1.40	0.080 • 2.03	1.180 • 30.0	915 • 1362
DLSXTPO-133	036308	2/0 • 67.4	19/83.7	0.055 • 1.40	0.080 • 2.03	1.270 • 32.3	1222 • 1818
DLSXTPO-168	036309	3/0 • 85.0	19/94.0	0.055 • 1.40	0.080 • 2.03	1.380 • 35.1	1491 • 2219
DLSXTPO-212	036310	4/0 • 107.2	19/105.5	0.055 • 1.40	0.080 • 2.03	1.490 • 37.8	1805 • 2686
DLSXTPO-250	036311	250 • 127.0	37/82.2	0.065 • 1.65	0.080 • 2.03	1.630 • 41.4	1945 • 2894
DLSXTPO-300	036312	300 • 152.0	37/90.0	0.065 • 1.65	0.110 • 2.79	1.810 • 46.0	2385 • 3549
DLSXTPO-350	036313	350 • 177.0	37/97.3	0.065 • 1.65	0.110 • 2.79	1.910 • 48.5	2735 • 4070
DLSXTPO-400	036314	400 • 203.0	37/104.0	0.065 • 1.65	0.110 • 2.79	2.005 • 50.9	3080 • 4584
DLSXTPO-500	036315	500 • 253.0	37/116.2	0.065 • 1.65	0.110 • 2.79	2.180 • 55.4	3755 • 5588
DLSXTPO-600	036316	600 • 304.0	61/99.2	0.080 • 2.03	0.110 • 2.79	2.405 • 61.1	4530 • 6741
DLSXTPO-750	036317	750 • 380.0	61/110.9	0.080 • 2.03	0.110 • 2.79	2.620 • 66.5	5550 • 8259
DLSXTPO-1000	036318	1000 • 507.0	61/128.0	0.080 • 2.03	0.110 • 2.79	2.995 • 76.1	7390 • 10997

two conductor / LSZH / aluminum and bronze armored
14 AWG to 1000 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
DLSXTPO-4	036299*	14 • 2.1	7/24.2	0.030 • 0.76	0.045 • 1.14	0.435 • 11.0	104 • 155	159 • 237
DLSXTPO-6	036300*	12 • 3.3	7/30.5	0.030 • 0.76	0.045 • 1.14	0.475 • 12.1	124 • 185	183 • 272
DLSXTPO-10	036301*	10 • 5.3	7/38.5	0.030 • 0.76	0.045 • 1.14	0.525 • 13.3	167 • 248	233 • 347
DLSXTPO-16	036302*	8 • 8.4	7/48.6	0.045 • 1.14	0.060 • 1.52	0.685 • 17.4	272 • 405	359 • 534
DLSXTPO-26	036303*	6 • 13.3	7/61.2	0.045 • 1.14	0.060 • 1.52	0.760 • 19.3	322 • 479	419 • 623
DLSXTPO-41	036304*	4 • 21.1	7/77.2	0.045 • 1.14	0.060 • 1.52	0.865 • 22.0	496 • 738	607 • 903
DLSXTPO-66	036305*	2 • 33.6	7/97.4	0.045 • 1.14	0.080 • 2.03	1.025 • 26.0	739 • 1100	872 • 1298
DLSXTPO-83	036306*	1 • 42.4	19/66.4	0.055 • 1.40	0.080 • 2.03	1.145 • 29.1	899 • 1338	1047 • 1558
DLSXTPO-106	036307*	1/0 • 53.5	19/74.5	0.055 • 1.40	0.080 • 2.03	1.235 • 31.4	984 • 1464	1145 • 1704
DLSXTPO-133	036308*	2/0 • 67.4	19/83.7	0.055 • 1.40	0.080 • 2.03	1.325 • 33.7	1296 • 1928	1469 • 2632
DLSXTPO-168	036309*	3/0 • 85.0	19/94.0	0.055 • 1.40	0.080 • 2.03	1.435 • 36.4	1572 • 2339	1758 • 2616
DLSXTPO-212	036310*	4/0 • 107.2	19/105.5	0.055 • 1.40	0.080 • 2.03	1.545 • 39.2	1892 • 2815	2093 • 3114
DLSXTPO-250	036311*	250 • 127.0	37/82.2	0.065 • 1.65	0.080 • 2.03	1.685 • 42.3	2040 • 3036	2260 • 3363
DLSXTPO-300	036312*	300 • 152.0	37/90.0	0.065 • 1.65	0.110 • 2.79	1.865 • 47.4	2490 • 3705	2734 • 4068
DLSXTPO-350	036313*	350 • 177.0	37/97.3	0.065 • 1.65	0.110 • 2.79	1.965 • 49.9	2846 • 4235	3103 • 4617
DLSXTPO-400	036314*	400 • 203.0	37/104.0	0.065 • 1.65	0.110 • 2.79	2.060 • 52.3	3197 • 4757	3466 • 5157
DLSXTPO-500	036315*	500 • 253.0	37/116.2	0.065 • 1.65	0.110 • 2.79	2.235 • 56.8	3882 • 5776	4174 • 6211
DLSXTPO-600	036316*	600 • 304.0	61/99.2	0.080 • 2.03	0.110 • 2.79	2.460 • 62.5	4670 • 6949	4992 • 7428
DLSXTPO-750	036317*	750 • 380.0	61/110.9	0.080 • 2.03	0.110 • 2.79	2.675 • 67.9	5702 • 8485	6053 • 9007
DLSXTPO-1000	036318*	1000 • 507.0	61/128.0	0.080 • 2.03	0.110 • 2.79	3.055 • 77.6	7563 • 11254	7964 • 11850

*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.