

BOSTMARINE TYPE LSX CONTROL CABLE

multi-conductor / LSZH / unarmored & armored
 18, 16 and 14 AWG / 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



BOSTMARINE TYPE LSX CONTROL CABLE



Draka

Draka Cableteq | Marine, Oil & Gas

multi-conductor / LSZH / armored & unarmored

18, 16 and 14 AWG / 600V

18 AWG • 1.0 mm²

TPC Cable Type	Part Number*	Number of Conductors	Stranding Type	Insulation Thickness in • mm	Jacket Thickness in • mm	Cable Diameter (nom) in • mm	Cable Weight (approx) Lbs/mft • Kg/km	Armored Cable Diameter (nom) in • mm	Aluminum arm. Cable Weight Lbs/mft • Kg/km	Bronze arm. Cable Weight Lbs/mft • Kg/km
C18LSXTPO-2	036355*	2	7/15.2	0.030 • 0.76	0.045 • 1.14	0.32 • 8.0	47 • 70	0.375 • 9.5	67 • 100	113 • 168
C18LSXTPO-3	036356*	3	7/15.2	0.030 • 0.76	0.045 • 1.14	0.33 • 8.4	56 • 83	0.385 • 9.8	77 • 115	124 • 185
C18LSXTPO-4	036357*	4	7/15.2	0.030 • 0.76	0.045 • 1.14	0.36 • 9.1	68 • 101	0.415 • 10.5	90 • 133	142 • 211
C18LSXTPO-7	036358*	7	7/15.2	0.030 • 0.76	0.045 • 1.14	0.42 • 10.8	99 • 147	0.475 • 12.1	125 • 186	184 • 274
C18LSXTPO-10	036359*	10	7/15.2	0.030 • 0.76	0.060 • 1.52	0.56 • 14.4	153 • 228	0.615 • 15.6	187 • 279	265 • 394
C18LSXTPO-14	036360*	14	7/15.2	0.030 • 0.76	0.060 • 1.52	0.61 • 15.5	195 • 290	0.665 • 16.9	232 • 345	316 • 470
C18LSXTPO-19	036361*	19	7/15.2	0.030 • 0.76	0.060 • 1.52	0.67 • 17.0	250 • 372	0.725 • 18.4	290 • 432	383 • 570
C18LSXTPO-24	036362*	24	7/15.2	0.030 • 0.76	0.080 • 2.03	0.78 • 19.8	308 • 458	0.835 • 21.2	354 • 527	462 • 687
C18LSXTPO-30	036363*	30	7/15.2	0.030 • 0.76	0.080 • 2.03	0.88 • 22.4	370 • 551	0.935 • 23.7	422 • 628	543 • 808
C18LSXTPO-37	036364*	37	7/15.2	0.030 • 0.76	0.080 • 2.03	0.93 • 23.6	480 • 714	0.985 • 25.0	535 • 796	662 • 985
C18LSXTPO-44	036365*	44	7/15.2	0.030 • 0.76	0.080 • 2.03	1.03 • 26.2	547 • 814	1.085 • 27.6	608 • 905	748 • 1113
C18LSXTPO-61	036366*	61	7/15.2	0.030 • 0.76	0.080 • 2.03	1.10 • 27.9	696 • 1036	1.155 • 29.3	761 • 1132	910 • 1354

16 AWG • 1.3 mm²

TPC Cable Type	Part Number*	Number of Conductors	Stranding Type	Insulation Thickness in • mm	Jacket Thickness in • mm	Cable Diameter (nom) in • mm	Cable Weight (approx) Lbs/mft • Kg/km	Armored Cable Diameter (nom) in • mm	Aluminum arm. Cable Weight Lbs/mft • Kg/km	Bronze arm. Cable Weight Lbs/mft • Kg/km
C16LSXTPO-2	036367*	2	7/19.2	0.030 • 0.76	0.045 • 1.14	0.34 • 8.6	57 • 85	0.395 • 10.0	78 • 116	127 • 189
C16LSXTPO-3	036368*	3	7/19.2	0.030 • 0.76	0.045 • 1.14	0.36 • 9.1	71 • 106	0.415 • 10.5	93 • 138	145 • 216
C16LSXTPO-4	036369*	4	7/19.2	0.030 • 0.76	0.045 • 1.14	0.39 • 9.9	87 • 129	0.445 • 11.3	111 • 165	167 • 248
C16LSXTPO-7	036370*	7	7/19.2	0.030 • 0.76	0.045 • 1.14	0.46 • 11.7	129 • 192	0.515 • 13.1	157 • 234	222 • 330
C16LSXTPO-10	036371*	10	7/19.2	0.030 • 0.76	0.060 • 1.52	0.61 • 15.6	197 • 293	0.665 • 16.9	234 • 348	318 • 473
C16LSXTPO-14	036372*	14	7/19.2	0.030 • 0.76	0.060 • 1.52	0.67 • 16.9	255 • 379	0.725 • 18.4	295 • 439	388 • 577
C16LSXTPO-19	036373*	19	7/19.2	0.030 • 0.76	0.060 • 1.52	0.73 • 18.7	328 • 488	0.785 • 19.9	372 • 553	472 • 702
C16LSXTPO-24	036374*	24	7/19.2	0.030 • 0.76	0.080 • 2.03	0.90 • 22.9	444 • 661	0.955 • 24.5	497 • 740	620 • 922
C16LSXTPO-30	036375*	30	7/19.2	0.030 • 0.76	0.080 • 2.03	0.95 • 24.1	529 • 787	1.055 • 26.8	585 • 870	715 • 1064
C16LSXTPO-37	036376*	37	7/19.2	0.030 • 0.76	0.080 • 2.03	1.02 • 25.9	631 • 939	1.075 • 27.3	691 • 1028	830 • 1235
C16LSXTPO-44	036377*	44	7/19.2	0.030 • 0.76	0.080 • 2.03	1.16 • 29.3	748 • 1113	1.215 • 30.9	816 • 1214	974 • 1449
C16LSXTPO-61	036378*	61	7/19.2	0.030 • 0.76	0.080 • 2.03	1.27 • 32.4	980 • 1458	1.325 • 33.7	1054 • 1568	1227 • 1826

14 AWG • 2.1 mm²

TPC Cable Type	Part Number*	Number of Conductors	Stranding Type	Insulation Thickness in • mm	Jacket Thickness in • mm	Cable Diameter (nom) in • mm	Cable Weight (approx) Lbs/mft • Kg/km	Armored Cable Diameter (nom) in • mm	Aluminum arm. Cable Weight Lbs/mft • Kg/km	Bronze arm. Cable Weight Lbs/mft • Kg/km
C14LSXTPO-2	036379*	2	7/24.2	0.030 • 0.76	0.045 • 1.14	0.37 • 9.4	72 • 107	0.425 • 10.8	95 • 141	148 • 220
C14LSXTPO-3	036380*	3	7/24.2	0.030 • 0.76	0.045 • 1.14	0.39 • 9.9	92 • 137	0.445 • 11.3	116 • 173	172 • 256
C14LSXTPO-4	036381*	4	7/24.2	0.030 • 0.76	0.045 • 1.14	0.42 • 10.8	114 • 170	0.475 • 12.1	140 • 208	199 • 296
C14LSXTPO-7	036382*	7	7/24.2	0.030 • 0.76	0.045 • 1.14	0.51 • 12.8	173 • 257	0.565 • 14.3	204 • 304	275 • 409
C14LSXTPO-10	036383*	10	7/24.2	0.030 • 0.76	0.060 • 1.52	0.68 • 17.1	261 • 388	0.735 • 18.7	302 • 449	396 • 589
C14LSXTPO-14	036384*	14	7/24.2	0.030 • 0.76	0.060 • 1.52	0.73 • 18.5	342 • 509	0.785 • 19.9	386 • 574	486 • 723
C14LSXTPO-19	036385*	19	7/24.2	0.030 • 0.76	0.060 • 1.52	0.81 • 20.6	444 • 661	0.865 • 22.0	492 • 732	603 • 897
C14LSXTPO-24	036386*	24	7/24.2	0.030 • 0.76	0.080 • 2.03	0.99 • 25.1	593 • 882	1.045 • 26.5	651 • 967	786 • 1170
C14LSXTPO-30	036387*	30	7/24.2	0.030 • 0.76	0.080 • 2.03	1.05 • 26.7	714 • 1063	1.105 • 28.1	776 • 1155	919 • 1367
C14LSXTPO-37	036388*	37	7/24.2	0.030 • 0.76	0.080 • 2.03	1.13 • 28.7	856 • 1274	1.185 • 30.1	922 • 1372	1076 • 1601
C14LSXTPO-44	036389*	44	7/24.2	0.030 • 0.76	0.080 • 2.03	1.27 • 32.3	1010 • 1503	1.325 • 33.7	1084 • 1613	1257 • 1870
C14LSXTPO-61	036390*	61	7/24.2	0.030 • 0.76	0.080 • 2.03	1.40 • 35.4	1350 • 2009	1.455 • 37.0	1432 • 2130	1621 • 2412

*NOTE: For aluminum armored versions, add an A (ex. 036379A). For bronze armored versions, add a B (ex. 036079B).

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.