

BOSTMARINE TYPE LSX SIGNAL CABLE

indiv. and overall STP signal / LSZH / unarmored & armored
 20 AWG • 0.52 mm² / 300V



APPLICATIONS

BOSTMARINE Type LSX 300 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 300 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-512. Thickness as shown in tables on the reverse.

3. PAIR SHIELD

Aluminum / polyester tape with tinned copper drain wire to provide 100% coverage over the twisted pair, covered with a polyester tape.

4. 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

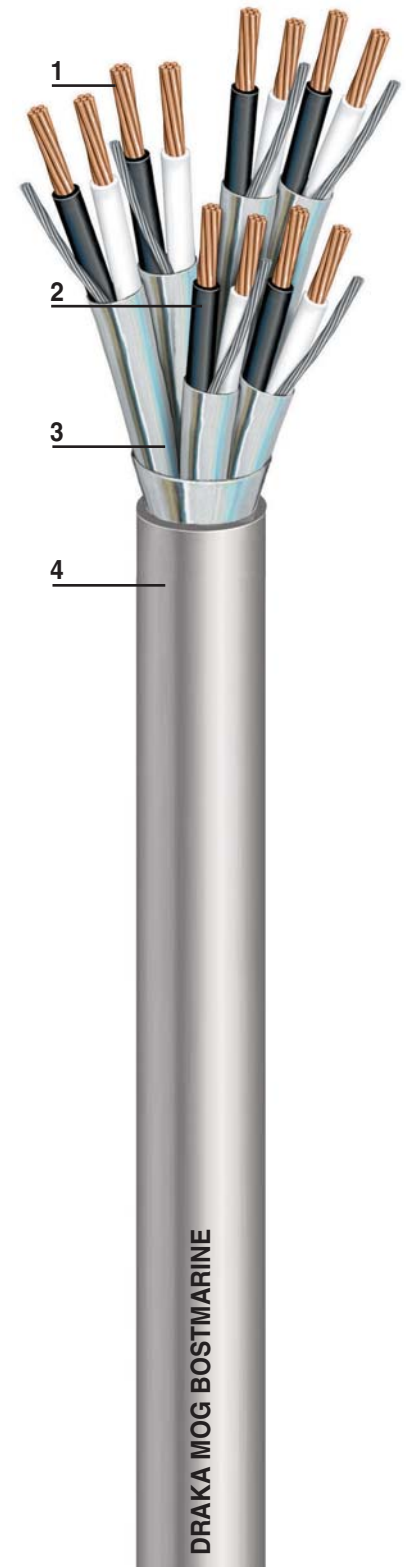
Meets all test requirements of IEEE 45 (1998), IEEE 1580 (2001), UL 1309/CSA 245 (1995) First Edition and the Flame Test in IEC 60332-3, Category A.

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 BIW Specifying Standard J512



BOSTMARINE TYPE LSX SIGNAL CABLE



Draka

Draka Cableteq | Marine, Oil & Gas

indiv. and overall STP signal / LSZH / unarmored

20 AWG • 0.52 mm² / 300V

TPC Cable Type	Part Number	Number of Pairs	Stranding Type	Insulation Thickness in • mm	Jacket Thickness in • mm	Cable Diameter (nominal) in • mm	Cable Weight (approximate) Lbs/mft • Kg/km
TP20(IS)LSXTPO-1	036391	1	7/12.1	0.025 • 0.64	0.045 • 1.14	0.28 • 7.1	36 • 54
TP20(IS-OS)LSXTPO-2	036392	2	7/12.1	0.025 • 0.64	0.045 • 1.14	0.41 • 10.4	64 • 95
TP20(IS-OS)LSXTPO-3	036393	3	7/12.1	0.025 • 0.64	0.045 • 1.14	0.43 • 10.9	80 • 119
TP20(IS-OS)LSXTPO-4	036394	4	7/12.1	0.025 • 0.64	0.045 • 1.14	0.48 • 12.2	97 • 144
TP20(IS-OS)LSXTPO-5	036395	5	7/12.1	0.025 • 0.64	0.060 • 1.52	0.55 • 14.0	132 • 196
TP20(IS-OS)LSXTPO-6	036396	6	7/12.1	0.025 • 0.64	0.060 • 1.52	0.60 • 15.2	152 • 226
TP20(IS-OS)LSXTPO-7	036397	7	7/12.1	0.025 • 0.64	0.060 • 1.52	0.60 • 15.2	164 • 244
TP20(IS-OS)LSXTPO-8	036398	8	7/12.1	0.025 • 0.64	0.060 • 1.52	0.65 • 16.5	185 • 275
TP20(IS-OS)LSXTPO-9	036399	9	7/12.1	0.025 • 0.64	0.060 • 1.52	0.69 • 17.5	204 • 303
TP20(IS-OS)LSXTPO-10	036400	10	7/12.1	0.025 • 0.64	0.060 • 1.52	0.75 • 19.1	226 • 336
TP20(IS-OS)LSXTPO-11	036401	11	7/12.1	0.025 • 0.64	0.060 • 1.52	0.78 • 19.8	242 • 360
TP20(IS-OS)LSXTPO-12	036402	12	7/12.1	0.025 • 0.64	0.060 • 1.52	0.78 • 19.8	256 • 381
TP20(IS-OS)LSXTPO-13	036403	13	7/12.1	0.025 • 0.64	0.060 • 1.52	0.82 • 20.8	275 • 409
TP20(IS-OS)LSXTPO-14	036404	14	7/12.1	0.025 • 0.64	0.060 • 1.52	0.82 • 20.8	289 • 430
TP20(IS-OS)LSXTPO-15	036405	15	7/12.1	0.025 • 0.64	0.080 • 2.03	0.90 • 22.9	346 • 515
TP20(IS-OS)LSXTPO-16	036406	16	7/12.1	0.025 • 0.64	0.080 • 2.03	0.90 • 22.9	359 • 534
TP20(IS-OS)LSXTPO-17	036407	17	7/12.1	0.025 • 0.64	0.080 • 2.03	0.95 • 24.1	381 • 566
TP20(IS-OS)LSXTPO-18	036408	18	7/12.1	0.025 • 0.64	0.080 • 2.03	0.95 • 24.1	395 • 587
TP20(IS-OS)LSXTPO-19	036409	19	7/12.1	0.025 • 0.64	0.080 • 2.03	0.95 • 24.1	408 • 608
TP20(IS-OS)LSXTPO-20	036410	20	7/12.1	0.025 • 0.64	0.080 • 2.03	0.99 • 25.1	429 • 638
TP20(IS-OS)LSXTPO-21	036411	21	7/12.1	0.025 • 0.64	0.080 • 2.03	0.99 • 25.1	444 • 661
TP20(IS-OS)LSXTPO-22	036412	22	7/12.1	0.025 • 0.64	0.080 • 2.03	1.04 • 26.4	466 • 694

indiv. and overall STP signal / LSZH / aluminum and bronze armored

20 AWG • 0.52 mm² / 300V

TPC Cable Type	Part Number*	Number of Pairs	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
TP20(IS)LSXTPO-1	036391*	1	7/12.1	0.025 • 0.64	0.045 • 1.14	0.335 • 8.5	54 • 80	95 • 141
TP20(IS-OS)LSXTPO-2	036392*	2	7/12.1	0.025 • 0.64	0.045 • 1.14	0.465 • 11.8	89 • 132	147 • 219
TP20(IS-OS)LSXTPO-3	036393*	3	7/12.1	0.025 • 0.64	0.045 • 1.14	0.485 • 12.3	106 • 158	167 • 248
TP20(IS-OS)LSXTPO-4	036394*	4	7/12.1	0.025 • 0.64	0.045 • 1.14	0.535 • 13.6	126 • 187	194 • 289
TP20(IS-OS)LSXTPO-5	036395*	5	7/12.1	0.025 • 0.64	0.060 • 1.52	0.605 • 15.4	165 • 246	242 • 360
TP20(IS-OS)LSXTPO-6	036396*	6	7/12.1	0.025 • 0.64	0.060 • 1.52	0.655 • 16.6	188 • 280	271 • 403
TP20(IS-OS)LSXTPO-7	036397*	7	7/12.1	0.025 • 0.64	0.060 • 1.52	0.655 • 16.6	200 • 298	283 • 421
TP20(IS-OS)LSXTPO-8	036398*	8	7/12.1	0.025 • 0.64	0.060 • 1.52	0.705 • 17.9	224 • 333	314 • 467
TP20(IS-OS)LSXTPO-9	036399*	9	7/12.1	0.025 • 0.64	0.060 • 1.52	0.745 • 18.9	245 • 365	340 • 506
TP20(IS-OS)LSXTPO-10	036400*	10	7/12.1	0.025 • 0.64	0.060 • 1.52	0.805 • 20.4	271 • 403	374 • 556
TP20(IS-OS)LSXTPO-11	036401*	11	7/12.1	0.025 • 0.64	0.060 • 1.52	0.835 • 21.2	288 • 429	396 • 589
TP20(IS-OS)LSXTPO-12	036402*	12	7/12.1	0.025 • 0.64	0.060 • 1.52	0.835 • 21.2	302 • 449	410 • 610
TP20(IS-OS)LSXTPO-13	036403*	13	7/12.1	0.025 • 0.64	0.060 • 1.52	0.875 • 22.2	324 • 482	436 • 649
TP20(IS-OS)LSXTPO-14	036404*	14	7/12.1	0.025 • 0.64	0.060 • 1.52	0.875 • 22.2	338 • 503	450 • 670
TP20(IS-OS)LSXTPO-15	036405*	15	7/12.1	0.025 • 0.64	0.080 • 2.03	0.955 • 24.3	399 • 594	522 • 777
TP20(IS-OS)LSXTPO-16	036406*	16	7/12.1	0.025 • 0.64	0.080 • 2.03	0.955 • 24.3	412 • 613	535 • 796
TP20(IS-OS)LSXTPO-17	036407*	17	7/12.1	0.025 • 0.64	0.080 • 2.03	1.005 • 25.5	437 • 650	567 • 844
TP20(IS-OS)LSXTPO-18	036408*	18	7/12.1	0.025 • 0.64	0.080 • 2.03	1.005 • 25.5	451 • 671	581 • 869
TP20(IS-OS)LSXTPO-19	036409*	19	7/12.1	0.025 • 0.64	0.080 • 2.03	1.005 • 25.5	464 • 690	594 • 884
TP20(IS-OS)LSXTPO-20	036410*	20	7/12.1	0.025 • 0.64	0.080 • 2.03	1.045 • 26.5	487 • 725	622 • 926
TP20(IS-OS)LSXTPO-21	036411*	21	7/12.1	0.025 • 0.64	0.080 • 2.03	1.045 • 26.5	502 • 747	637 • 948
TP20(IS-OS)LSXTPO-22	036412*	22	7/12.1	0.025 • 0.64	0.080 • 2.03	1.095 • 27.8	527 • 784	669 • 995

*NOTE: For aluminum armored versions, add an A (ex. 036391A). For bronze armored versions, add a B (ex. 036391B).

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.