

BOSTMARINE TYPE X SIGNAL CABLE

indiv. & overall shielded twisted pair / unarmored & armored
 18 AWG • 0.82 mm² / 600V

APPLICATIONS

BOSTMARINE Type X 600 volt cables are suitable for use in commercial marine applications where 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 X cables are Type Approved by ABS and LRS.

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. CONDUCTORS

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

2. INSULATION

Bostmarine Type X thermosetting cross-linked polyethylene meeting specifications IEEE 45 (1998), IEEE-1580 (2001) and UL 1309/CSA 245. Insulated conductors are rated VW1. 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 polyvinyl chloride (PVC) is applied over the cable core (covered with a polyester separator tape) and complies with Type T polyvinyl chloride as required in IEEE 45 (1998), IEEE 1580 (2001) and UL 1309/CSA 245.

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 Type Approval Certificate No. 04-PA496819-X.

Lloyds Registry of Shipping Type Approval Certificate No. 96/60031(E2).

Transport Canada Approved cables are available.

Manufactured to Draka Cableteq USA Specifying Standard J-511



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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
TP18(IS)XT-1	036624	1	7/15.2	0.025 • 0.64	0.045 • 1.14	0.30 • 7.6	46 • 68
TP18(IS-OS)XT-2	036625	2	7/15.2	0.025 • 0.64	0.045 • 1.14	0.45 • 11.4	85 • 126
TP18(IS-OS)XT-3	036626	3	7/15.2	0.025 • 0.64	0.045 • 1.14	0.48 • 12.2	109 • 162
TP18(IS-OS)XT-4	036627	4	7/15.2	0.025 • 0.64	0.060 • 1.52	0.59 • 15.0	153 • 228
TP18(IS-OS)XT-5	036628	5	7/15.2	0.025 • 0.64	0.060 • 1.52	0.61 • 15.5	182 • 271
TP18(IS-OS)XT-6	036629	6	7/15.2	0.025 • 0.64	0.060 • 1.52	0.66 • 16.8	211 • 314
TP18(IS-OS)XT-7	036630	7	7/15.2	0.025 • 0.64	0.060 • 1.52	0.66 • 16.8	232 • 346
TP18(IS-OS)XT-8	036631	8	7/15.2	0.025 • 0.64	0.060 • 1.52	0.72 • 18.3	262 • 390
TP18(IS-OS)XT-9	036632	9	7/15.2	0.025 • 0.64	0.060 • 1.52	0.78 • 19.8	290 • 432
TP18(IS-OS)XT-10	036633	10	7/15.2	0.025 • 0.64	0.080 • 2.03	0.89 • 22.6	359 • 534
TP18(IS-OS)XT-11	036634	11	7/15.2	0.025 • 0.64	0.080 • 2.03	0.91 • 23.1	346 • 516
TP18(IS-OS)XT-12	036635	12	7/15.2	0.025 • 0.64	0.080 • 2.03	0.91 • 23.1	368 • 548
TP18(IS-OS)XT-13	036636	13	7/15.2	0.025 • 0.64	0.080 • 2.03	0.96 • 24.4	438 • 652
TP18(IS-OS)XT-14	036637	14	7/15.2	0.025 • 0.64	0.080 • 2.03	0.96 • 24.4	459 • 684
TP18(IS-OS)XT-15	036638	15	7/15.2	0.025 • 0.64	0.080 • 2.03	1.01 • 25.7	490 • 729
TP18(IS-OS)XT-16	036639	16	7/15.2	0.025 • 0.64	0.080 • 2.03	1.01 • 25.7	512 • 762
TP18(IS-OS)XT-17	036640	17	7/15.2	0.025 • 0.64	0.080 • 2.03	1.06 • 26.9	543 • 808
TP18(IS-OS)XT-18	036641	18	7/15.2	0.025 • 0.64	0.080 • 2.03	1.06 • 26.9	565 • 840
TP18(IS-OS)XT-19	036642	19	7/15.2	0.025 • 0.64	0.080 • 2.03	1.06 • 26.9	586 • 872
TP18(IS-OS)XT-20	036643	20	7/15.2	0.025 • 0.64	0.080 • 2.03	1.11 • 28.2	619 • 921
TP18(IS-OS)XT-21	036644	21	7/15.2	0.025 • 0.64	0.080 • 2.03	1.11 • 28.2	639 • 951
TP18(IS-OS)XT-22	036645	22	7/15.2	0.025 • 0.64	0.080 • 2.03	1.16 • 29.5	671 • 998

indiv. & overall shielded twisted pair / aluminum & bronze armored
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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
TP18(IS)XT-1	036624*	1	7/15.2	0.025 • 0.64	0.045 • 1.14	0.355 • 9.0	65 • 97	108 • 161
TP18(IS-OS)XT-2	036625*	2	7/15.2	0.025 • 0.64	0.045 • 1.14	0.505 • 12.8	112 • 167	176 • 262
TP18(IS-OS)XT-3	036626*	3	7/15.2	0.025 • 0.64	0.045 • 1.14	0.535 • 13.6	138 • 205	206 • 307
TP18(IS-OS)XT-4	036627*	4	7/15.2	0.025 • 0.64	0.060 • 1.52	0.645 • 16.4	188 • 280	271 • 403
TP18(IS-OS)XT-5	036628*	5	7/15.2	0.025 • 0.64	0.060 • 1.52	0.665 • 16.9	219 • 326	303 • 451
TP18(IS-OS)XT-6	036629*	6	7/15.2	0.025 • 0.64	0.060 • 1.52	0.715 • 18.2	251 • 373	342 • 509
TP18(IS-OS)XT-7	036630*	7	7/15.2	0.025 • 0.64	0.060 • 1.52	0.715 • 18.2	272 • 405	363 • 540
TP18(IS-OS)XT-8	036631*	8	7/15.2	0.025 • 0.64	0.060 • 1.52	0.775 • 19.7	305 • 454	404 • 601
TP18(IS-OS)XT-9	036632*	9	7/15.2	0.025 • 0.64	0.060 • 1.52	0.835 • 21.2	336 • 500	444 • 661
TP18(IS-OS)XT-10	036633*	10	7/15.2	0.025 • 0.64	0.080 • 2.03	0.925 • 23.5	364 • 542	478 • 711
TP18(IS-OS)XT-11	036634*	11	7/15.2	0.025 • 0.64	0.080 • 2.03	0.965 • 24.5	393 • 585	512 • 762
TP18(IS-OS)XT-12	036635*	12	7/15.2	0.025 • 0.64	0.080 • 2.03	0.965 • 24.5	422 • 628	546 • 812
TP18(IS-OS)XT-13	036636*	13	7/15.2	0.025 • 0.64	0.080 • 2.03	1.015 • 25.8	495 • 737	626 • 931
TP18(IS-OS)XT-14	036637*	14	7/15.2	0.025 • 0.64	0.080 • 2.03	1.015 • 25.8	516 • 768	647 • 963
TP18(IS-OS)XT-15	036638*	15	7/15.2	0.025 • 0.64	0.080 • 2.03	1.065 • 27.1	550 • 818	687 • 1022
TP18(IS-OS)XT-16	036639*	16	7/15.2	0.025 • 0.64	0.080 • 2.03	1.065 • 27.1	572 • 851	709 • 1055
TP18(IS-OS)XT-17	036640*	17	7/15.2	0.025 • 0.64	0.080 • 2.03	1.115 • 28.3	605 • 900	750 • 1116
TP18(IS-OS)XT-18	036641*	18	7/15.2	0.025 • 0.64	0.080 • 2.03	1.115 • 28.3	627 • 933	772 • 1149
TP18(IS-OS)XT-19	036642*	19	7/15.2	0.025 • 0.64	0.080 • 2.03	1.115 • 28.3	648 • 964	793 • 1180
TP18(IS-OS)XT-20	036643*	20	7/15.2	0.025 • 0.64	0.080 • 2.03	1.165 • 29.6	684 • 1018	835 • 1242
TP18(IS-OS)XT-21	036644*	21	7/15.2	0.025 • 0.64	0.080 • 2.03	1.165 • 29.6	704 • 1048	855 • 1272
TP18(IS-OS)XT-22	036645*	22	7/15.2	0.025 • 0.64	0.080 • 2.03	1.215 • 30.9	739 • 1100	897 • 1335

*NOTE: For aluminum armored versions, add an A (ex. 036624A). For bronze armored versions, add a B (ex. 036624B).

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.