

BOSTMARINE TYPE X POWER CABLE

two conductor / unarmored & armored

14 AWG to 1000 MCM / 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. CONDUCTOR

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. 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-501



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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
DXT-4	036012	14 • 2.1	7/24.2	0.030 • 0.76	0.045 • 1.14	0.380 • 9.7	81 • 121
DXT-6	036013	12 • 3.3	7/30.5	0.030 • 0.76	0.045 • 1.14	0.420 • 10.7	98 • 146
DXT-10	036050	10 • 5.3	7/38.5	0.030 • 0.76	0.045 • 1.14	0.470 • 11.9	138 • 205
DXT-16	036051	8 • 8.4	7/48.6	0.045 • 1.14	0.060 • 1.52	0.630 • 16.0	234 • 348
DXT-26	036542	6 • 13.3	7/61.2	0.045 • 1.14	0.060 • 1.52	0.705 • 17.9	280 • 417
DXT-41	036543	4 • 21.1	7/77.2	0.045 • 1.14	0.060 • 1.52	0.810 • 20.6	448 • 667
DXT-66	036544	2 • 33.6	7/97.4	0.045 • 1.14	0.080 • 2.03	0.970 • 24.6	682 • 1015
DXT-83	036545	1 • 42.4	19/66.4	0.055 • 1.40	0.080 • 2.03	1.090 • 27.7	835 • 1242
DXT-106	036546	1/0 • 53.5	19/74.5	0.055 • 1.40	0.080 • 2.03	1.180 • 30.0	915 • 1362
DXT-133	036547	2/0 • 67.4	19/83.7	0.055 • 1.40	0.080 • 2.03	1.270 • 32.3	1222 • 1818
DXT-168	036548	3/0 • 85.0	19/94.0	0.055 • 1.40	0.080 • 2.03	1.380 • 35.1	1491 • 2219
DXT-212	036549	4/0 • 107.2	19/105.5	0.055 • 1.40	0.080 • 2.03	1.490 • 37.8	1805 • 2686
DXT-250	036550	250 • 127.0	37/82.2	0.065 • 1.65	0.080 • 2.03	1.630 • 41.4	1945 • 2894
DXT-300	036551	300 • 152.0	37/90.0	0.065 • 1.65	0.110 • 2.79	1.810 • 46.0	2385 • 3549
DXT-350	036552	350 • 177.0	37/97.3	0.065 • 1.65	0.110 • 2.79	1.910 • 48.5	2735 • 4070
DXT-400	036553	400 • 203.0	37/104.0	0.065 • 1.65	0.110 • 2.79	2.005 • 50.9	3080 • 4584
DXT-500	036554	500 • 253.0	37/116.2	0.065 • 1.65	0.110 • 2.79	2.180 • 55.4	3755 • 5588
DXT-600	036555	600 • 304.0	61/99.2	0.080 • 2.03	0.110 • 2.79	2.405 • 61.1	4530 • 6741
DXT-750	036556	750 • 380.0	61/110.9	0.080 • 2.03	0.110 • 2.79	2.620 • 66.5	5550 • 8259
DXT-1000	036557	1000 • 507.0	61/128.0	0.080 • 2.03	0.140 • 3.56	2.995 • 76.1	7390 • 10997

two conductor / aluminum or bronze armored
14 AWG to 1000 MCM / 600V

TPC Cable Type	Part Number*	Conductor Size AWG/MCM • mm ²	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
DXT-4	036012*	14 • 2.1	7/24.2	0.030 • 0.76	0.045 • 1.14	0.435 • 11.0	104 • 155	159 • 237
DXT-6	036013*	12 • 3.3	7/30.5	0.030 • 0.76	0.045 • 1.14	0.475 • 12.1	124 • 185	183 • 272
DXT-10	036050*	10 • 5.3	7/38.5	0.030 • 0.76	0.045 • 1.14	0.525 • 13.3	167 • 248	233 • 347
DXT-16	036051*	8 • 8.4	7/48.6	0.045 • 1.14	0.060 • 1.52	0.685 • 17.4	272 • 405	359 • 534
DXT-26	036542*	6 • 13.3	7/61.2	0.045 • 1.14	0.060 • 1.52	0.760 • 19.3	322 • 479	419 • 623
DXT-41	036543*	4 • 21.1	7/77.2	0.045 • 1.14	0.060 • 1.52	0.865 • 22.0	496 • 738	607 • 903
DXT-66	036544*	2 • 33.6	7/97.4	0.045 • 1.14	0.080 • 2.03	1.025 • 26.0	739 • 1100	872 • 1298
DXT-83	036545*	1 • 42.4	19/66.4	0.055 • 1.40	0.080 • 2.03	1.145 • 29.1	899 • 1338	1047 • 1558
DXT-106	036546*	1/0 • 53.5	19/74.5	0.055 • 1.40	0.080 • 2.03	1.235 • 31.4	984 • 1464	1145 • 1704
DXT-133	036547*	2/0 • 67.4	19/83.7	0.055 • 1.40	0.080 • 2.03	1.325 • 33.7	1296 • 1928	1469 • 2632
DXT-168	036548*	3/0 • 85.0	19/94.0	0.055 • 1.40	0.080 • 2.03	1.435 • 36.4	1572 • 2339	1758 • 2616
DXT-212	036549*	4/0 • 107.2	19/105.5	0.055 • 1.40	0.080 • 2.03	1.545 • 39.2	1892 • 2815	2093 • 3114
DXT-250	036550*	250 • 127.0	37/82.2	0.065 • 1.65	0.080 • 2.03	1.685 • 42.3	2040 • 3036	2260 • 3363
DXT-300	036551*	300 • 152.0	37/90.0	0.065 • 1.65	0.110 • 2.79	1.865 • 47.4	2490 • 3705	2734 • 4068
DXT-350	036552*	350 • 177.0	37/97.3	0.065 • 1.65	0.110 • 2.79	1.965 • 49.9	2846 • 4235	3103 • 4617
DXT-400	036553*	400 • 203.0	37/104.0	0.065 • 1.65	0.110 • 2.79	2.060 • 52.3	3197 • 4757	3466 • 5157
DXT-500	036554*	500 • 253.0	37/116.2	0.065 • 1.65	0.110 • 2.79	2.235 • 56.8	3882 • 5776	4174 • 6211
DXT-600	036555*	600 • 304.0	61/99.2	0.080 • 2.03	0.110 • 2.79	2.460 • 62.5	4670 • 6949	4991 • 7427
DXT-750	036556*	750 • 380.0	61/110.9	0.080 • 2.03	0.110 • 2.79	2.675 • 67.9	5702 • 8485	6053 • 9007
DXT-1000	036557*	1000 • 507.0	61/128.0	0.080 • 2.03	0.140 • 3.56	3.055 • 77.6	7563 • 11254	7964 • 11850

NOTE: For aluminum armored versions, add an A (ex. 036012A). For bronze armored versions, add a B (ex. 030103B).

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.