

# BOSTMARINE TYPE X CONTROL CABLE

multi-conductor / unarmored & armored  
 18, 16 and 14 AWG / 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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## 18 AWG • 1.0 mm<sup>2</sup>

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
C18XT-2	036570	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
C18XT-3	036571	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
C18XT-4	036572	4	7/15.2	0.030 • 0.76	0.045 • 1.14	0.36 • 9.1	68 • 101	0.415 • 10.5	90 • 134	142 • 211
C18XT-7	036573	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
C18XT-10	036574	10	7/15.2	0.030 • 0.76	0.060 • 1.52	0.56 • 14.4	153 • 228	0.615 • 15.6	187 • 278	265 • 394
C18XT-14	036575	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
C18XT-19	036576	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
C18XT-24	036577	24	7/15.2	0.030 • 0.76	0.060 • 1.52	0.78 • 19.8	308 • 458	0.835 • 21.2	354 • 527	462 • 687
C18XT-30	036578	30	7/15.2	0.030 • 0.76	0.080 • 2.03	0.88 • 22.4	370 • 551	0.915 • 23.2	422 • 628	543 • 808
C18XT-37	036579	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
C18XT-44	036580	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
C18XT-61	036581	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 mm<sup>2</sup>

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
C16XT-2	036582	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
C16XT-3	036583	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
C16XT-4	036584	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
C16XT-7	036585	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
C16XT-10	036053	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
C16XT-14	036586	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
C16XT-19	036587	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
C16XT-24	036588	24	7/19.2	0.030 • 0.76	0.080 • 2.03	0.90 • 22.9	444 • 661	0.955 • 24.3	497 • 740	620 • 923
C16XT-30	036589	30	7/19.2	0.030 • 0.76	0.080 • 2.03	0.95 • 24.1	529 • 787	1.005 • 25.5	585 • 870	715 • 1064
C16XT-37	036590	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
C16XT-44	036591	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
C16XT-61	036592	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 • 1825

## 14 AWG • 2.1 mm<sup>2</sup>

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
C14XT-2	036593	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
C14XT-3	036594	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
C14XT-4	036595	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
C14XT-7	036057	7	7/24.2	0.030 • 0.76	0.045 • 1.14	0.51 • 12.8	173 • 257	0.565 • 14.4	204 • 306	275 • 409
C14XT-10	036596	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
C14XT-14	036058	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
C14XT-19	036597	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
C14XT-24	036059	24	7/24.2	0.030 • 0.76	0.080 • 2.03	0.99 • 25.1	593 • 882	1.045 • 26.5	651 • 969	786 • 1170
C14XT-30	036598	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
C14XT-37	036599	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
C14XT-44	036600	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
C14XT-61	036601	61	7/24.2	0.030 • 0.76	0.080 • 2.03	1.40 • 35.4	1350 • 2009	1.455 • 37.0	1432 • 2131	1621 • 2412

\*NOTE: For aluminum armored versions, add an A (ex. 036570A). For bronze armored versions, add a B (ex. 036570B).

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.