

BOSTMARINE TYPE T/N CONTROL CABLE

multi-conductor / unarmored & armored
 18, 16 and 14 AWG / 600V

APPLICATIONS

BOSTMARINE Type T/N 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 for 600 volts. Type T/N 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 T/N polyvinyl chloride/nylon meeting specification IEEE 45 (1998), IEEE 1580 (2001) and UL 1309/CSA 245. Thickness as shown in tables on the reverse. Insulated conductors are rated VW1.

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) 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/CSA245.

American Bureau of Shipping Type Approval Certificate No. 04-PA496819-X.

Lloyds Registry of Shipping Type Approval Certificate No. 99/60004/E1.

Transport Canada Approved cables are available.

Manufactured to Draka Cableteq USA Specifying Standard J-500



BOSTMARINE TYPE T/N CONTROL CABLE



Draka

Draka Cableteq | Marine, Oil & Gas

multi-conductor / unarmored & armored

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
C18T/NT-2	036125*	2	7/15.2	0.019 • 0.48	0.045 • 1.14	0.28 • 7.1	35 • 52	0.33 • 8.4	53 • 79	94 • 140
C18T/NT-3	036126*	3	7/15.2	0.019 • 0.48	0.045 • 1.14	0.29 • 7.4	44 • 65	0.34 • 8.6	62 • 92	105 • 156
C18T/NT-4	036127*	4	7/15.2	0.019 • 0.48	0.045 • 1.14	0.31 • 7.9	53 • 79	0.36 • 9.1	72 • 107	117 • 174
C18T/NT-7	029781*	7	7/15.2	0.019 • 0.48	0.045 • 1.14	0.36 • 9.1	86 • 128	0.41 • 10.4	108 • 160	160 • 238
C18T/NT-10	030630*	10	7/15.2	0.019 • 0.48	0.060 • 1.52	0.45 • 11.4	117 • 174	0.50 • 12.7	144 • 214	208 • 310
C18T/NT-16	350376	16	7/15.2	0.019 • 0.48	0.060 • 1.52	0.57 • 14.5	210 • 312	0.63 • 16.0	244 • 363	324 • 482
C18T/NT-20	350377	20	7/15.2	0.019 • 0.48	0.060 • 1.52	0.63 • 16.0	255 • 379	0.69 • 17.5	292 • 434	379 • 564
C18T/NT-24	036131*	24	7/15.2	0.019 • 0.48	0.060 • 1.52	0.65 • 16.5	262 • 390	0.70 • 17.8	301 • 448	391 • 582
C18T/NT-30	036132*	30	7/15.2	0.019 • 0.48	0.060 • 1.52	0.69 • 17.5	310 • 461	0.74 • 18.8	351 • 522	446 • 664
C18T/NT-37	036133*	37	7/15.2	0.019 • 0.48	0.060 • 1.52	0.74 • 18.8	372 • 554	0.79 • 20.1	416 • 619	518 • 771
C18T/NT-44	036134*	44	7/15.2	0.019 • 0.48	0.060 • 1.52	0.86 • 21.8	471 • 701	0.91 • 23.1	522 • 777	640 • 952
C18T/NT-61	036135*	61	7/15.2	0.019 • 0.48	0.080 • 2.03	0.95 • 24.1	612 • 911	1.00 • 25.4	668 • 994	798 • 1187

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
C16T/NT-2	030109*	2	7/19.2	0.019 • 0.48	0.045 • 1.14	0.30 • 7.6	49 • 73	0.35 • 8.9	68 • 101	111 • 165
C16T/NT-3	036115*	3	7/19.2	0.019 • 0.48	0.045 • 1.14	0.31 • 7.9	53 • 79	0.36 • 9.1	72 • 107	117 • 174
C16T/NT-4	030131*	4	7/19.2	0.019 • 0.48	0.045 • 1.14	0.34 • 8.6	72 • 107	0.39 • 9.9	93 • 138	142 • 211
C16T/NT-7	030631*	7	7/19.2	0.019 • 0.48	0.045 • 1.14	0.39 • 9.9	114 • 170	0.44 • 11.2	138 • 205	194 • 289
C16T/NT-10	030137*	10	7/19.2	0.019 • 0.48	0.045 • 1.14	0.50 • 12.7	159 • 237	0.55 • 14.0	189 • 281	259 • 385
C16T/NT-16	350097	16	7/19.2	0.019 • 0.48	0.060 • 1.52	0.63 • 16.0	273 • 406	0.69 • 17.5	310 • 461	397 • 591
C16T/NT-20	350101	20	7/19.2	0.019 • 0.48	0.060 • 1.52	0.69 • 17.5	334 • 497	0.75 • 19.1	375 • 558	470 • 699
C16T/NT-24	030149*	24	7/19.2	0.019 • 0.48	0.060 • 1.52	0.72 • 18.3	358 • 533	0.77 • 19.6	401 • 597	500 • 744
C16T/NT-30	030150*	30	7/19.2	0.019 • 0.48	0.060 • 1.52	0.77 • 19.6	431 • 641	0.82 • 20.8	477 • 710	583 • 868
C16T/NT-37	030132*	37	7/19.2	0.019 • 0.48	0.080 • 2.03	0.87 • 22.1	556 • 827	0.92 • 23.4	608 • 905	727 • 1082
C16T/NT-44	030180*	44	7/19.2	0.019 • 0.48	0.080 • 2.03	0.96 • 24.4	652 • 970	1.01 • 25.7	709 • 1055	840 • 1250
C16T/NT-61	036140*	61	7/19.2	0.019 • 0.48	0.080 • 2.03	1.07 • 27.2	816 • 1214	1.12 • 28.7	879 • 1308	1025 • 1525

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
C14T/NT-2	036141*	2	7/24.2	0.019 • 0.48	0.045 • 1.14	0.33 • 8.4	62 • 92	0.38 • 9.7	83 • 124	130 • 193
C14T/NT-3	036142*	3	7/24.2	0.019 • 0.48	0.045 • 1.14	0.35 • 8.9	81 • 121	0.40 • 10.2	103 • 153	153 • 228
C14T/NT-4	036143*	4	7/24.2	0.019 • 0.48	0.045 • 1.14	0.37 • 9.4	101 • 150	0.42 • 10.7	124 • 185	177 • 263
C14T/NT-7	030129*	7	7/24.2	0.019 • 0.48	0.045 • 1.14	0.44 • 11.2	157 • 234	0.49 • 12.4	184 • 274	246 • 366
C14T/NT-10	030108*	10	7/24.2	0.019 • 0.48	0.060 • 1.52	0.58 • 14.7	240 • 357	0.63 • 16.0	275 • 409	356 • 530
C14T/NT-16	350105	16	7/24.2	0.015 / 0.004	0.060 • 1.52	0.69 • 17.5	366 • 545	0.75 • 19.1	407 • 606	502 • 747
C14T/NT-20	350111	20	7/24.2	0.015 / 0.004	0.060 • 1.52	0.74 • 18.8	451 • 671	0.80 • 20.3	495 • 737	596 • 887
C14T/NT-24	030151*	24	7/24.2	0.019 • 0.48	0.060 • 1.52	0.81 • 20.6	494 • 735	0.86 • 21.8	542 • 806	653 • 972
C14T/NT-30	036147*	30	7/24.2	0.019 • 0.48	0.080 • 2.03	0.90 • 22.9	639 • 951	0.95 • 24.1	692 • 1030	815 • 1213
C14T/NT-37	030153*	37	7/24.2	0.019 • 0.48	0.080 • 2.03	0.96 • 24.4	762 • 1134	1.01 • 25.7	818 • 1217	950 • 1414
C14T/NT-44	036148*	44	7/24.2	0.019 • 0.48	0.080 • 2.03	1.08 • 27.4	901 • 1341	1.13 • 28.7	965 • 1436	1112 • 1655
C14T/NT-61	036149*	61	7/24.2	0.019 • 0.48	0.080 • 2.03	1.14 • 29.0	1210 • 1801	1.19 • 30.2	1277 • 1900	1432 • 2131

*NOTE: For aluminum armored versions, add an A (ex. 030103A). 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.