



# BOSTMARINE TYPE T/N CONTROL CABLE

multi-conductor shielded / unarmored & armored  
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. SHIELD

An aluminum/polyester tape with drain wire, 100% coverage, is applied over the cabled core.

### 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) 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



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**Draka**

Draka Cableteq | Marine, Oil & Gas

multi-conductor shielded / unarmored & armored

16 and 14 AWG / 600V

## 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
C16(OS)T/NT-2	030109*	2	7/19.2	0.019 • 0.48	0.045 • 1.14	0.31 • 7.9	58 • 86	0.37 • 9.4	77 • 115	122 • 182
C16(OS)T/NT-3	036115*	3	7/19.2	0.019 • 0.48	0.045 • 1.14	0.33 • 8.4	63 • 94	0.39 • 9.9	83 • 124	130 • 193
C16(OS)T/NT-4	030131*	4	7/19.2	0.019 • 0.48	0.045 • 1.14	0.35 • 8.9	82 • 122	0.41 • 10.4	103 • 153	153 • 228
C16(OS)T/NT-7	030631*	7	7/19.2	0.019 • 0.48	0.045 • 1.14	0.42 • 10.7	124 • 185	0.48 • 12.2	150 • 305	209 • 311
C16(OS)T/NT-10	030137*	10	7/19.2	0.019 • 0.48	0.045 • 1.14	0.55 • 14.0	169 • 251	0.58 • 14.7	200 • 418	273 • 406
C16(OS)T/NT-16	350172*	16	7/19.2	0.019 • 0.48	0.060 • 1.52	0.63 • 16.0	281 • 418	0.69 • 17.5	319 • 475	406 • 604
C16(OS)T/NT-20	350166*	20	7/19.2	0.019 • 0.48	0.060 • 1.52	0.70 • 17.8	343 • 510	0.76 • 19.3	385 • 573	480 • 714
C16(OS)T/NT-24	030149*	24	7/19.2	0.019 • 0.48	0.060 • 1.52	0.76 • 19.3	371 • 552	0.82 • 20.8	416 • 619	521 • 775
C16(OS)T/NT-30	030150*	30	7/19.2	0.019 • 0.48	0.060 • 1.52	0.81 • 20.6	444 • 661	0.87 • 22.1	492 • 1056	602 • 896
C16(OS)T/NT-37	030132*	37	7/19.2	0.019 • 0.48	0.080 • 2.03	0.91 • 23.1	569 • 847	0.97 • 24.6	623 • 927	747 • 1112
C16(OS)T/NT-44	030180*	44	7/19.2	0.019 • 0.48	0.080 • 2.03	1.03 • 26.2	666 • 991	1.09 • 27.7	727 • 1082	867 • 1290
C16(OS)T/NT-61	036140*	61	7/19.2	0.019 • 0.48	0.080 • 2.03	1.13 • 28.7	830 • 1235	1.19 • 30.2	896 • 1333	1049 • 1561

## 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
C14(OS)T/NT-2	036141*	2	7/24.2	0.019 • 0.48	0.045 • 1.14	0.34 • 8.6	75 • 112	0.40 • 10.2	96 • 143	145 • 216
C14(OS)T/NT-3	036142*	3	7/24.2	0.019 • 0.48	0.045 • 1.14	0.36 • 9.1	94 • 140	0.42 • 10.7	116 • 173	167 • 248
C14(OS)T/NT-4	036143*	4	7/24.2	0.019 • 0.48	0.045 • 1.14	0.42 • 10.7	115 • 171	0.48 • 12.2	140 • 208	219 • 326
C14(OS)T/NT-7	030129*	7	7/24.2	0.019 • 0.48	0.045 • 1.14	0.46 • 11.6	171 • 254	0.52 • 13.2	199 • 296	273 • 406
C14(OS)T/NT-10	030108*	10	7/24.2	0.019 • 0.48	0.060 • 1.52	0.58 • 14.7	254 • 377	0.64 • 16.3	206 • 307	369 • 549
C14(OS)T/NT-16	350374*	16	7/24.2	0.019 • 0.48	0.060 • 1.52	0.63 • 16.0	378 • 562	0.75 • 19.1	419 • 623	514 • 765
C14(OS)T/NT-20	350375*	20	7/24.2	0.019 • 0.48	0.060 • 1.52	0.71 • 18.0	462 • 687	0.82 • 20.8	507 • 754	612 • 911
C14(OS)T/NT-24	030151*	24	7/24.2	0.019 • 0.48	0.060 • 1.52	0.84 • 21.3	510 • 759	0.90 • 22.9	560 • 833	675 • 1004
C14(OS)T/NT-30	036147*	30	7/24.2	0.019 • 0.48	0.080 • 2.03	0.93 • 23.6	655 • 975	0.99 • 25.1	710 • 1056	837 • 1245
C14(OS)T/NT-37	030153*	37	7/24.2	0.019 • 0.48	0.080 • 2.03	1.00 • 25.4	778 • 1158	1.06 • 26.9	837 • 1245	972 • 1446
C14(OS)T/NT-44	036148*	44	7/24.2	0.019 • 0.48	0.080 • 2.03	1.13 • 28.7	917 • 1364	1.19 • 30.2	983 • 1463	1137 • 1692
C14(OS)T/NT-61	036149*	61	7/24.2	0.019 • 0.48	0.080 • 2.03	1.18 • 30.0	1226 • 1824	1.24 • 31.5	1295 • 1927	1456 • 2167

\*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.