

# BOSTMARINE TYPE T/N POWER CABLE

three conductor power distribution / unarmored & armored  
 14 AWG to 750 MCM / 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



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TPC Cable Type	Part Number	Conductor Size AWG/MCM • mm <sup>2</sup>	Stranding Type	PVC/Nylon Insulation Thickness in • mm	Jacket Thickness in • mm	Unarmored Cable Diameter in • mm	Unarmored Cable Weight Lbs/mft • Kg/km
TT/NT-4	030101	14 • 2.1	7/24.2	0.015/0.004 • 0.38/0.10	0.045 • 1.14	0.35 • 8.9	86 • 128
TT/NT-6	030102	12 • 3.3	7/30.5	0.015/0.004 • 0.38/0.10	0.045 • 1.14	0.39 • 9.9	120 • 179
TT/NT-10	030107	10 • 5.3	7/38.5	0.020/0.004 • 0.51/0.10	0.045 • 1.14	0.46 • 11.7	171 • 254
TT/NT-16	030106	8 • 8.4	7/48.6	0.030/0.005 • 0.76/0.13	0.060 • 1.52	0.61 • 15.5	301 • 448
TT/NT-26	030105	6 • 13.3	7/61.2	0.030/0.005 • 0.76/0.13	0.060 • 1.52	0.69 • 17.5	406 • 604
TT/NT-41	030110	4 • 21.1	7/77.2	0.040/0.006 • 1.02/0.15	0.080 • 2.03	0.84 • 21.3	664 • 988
TT/NT-66	030112	2 • 33.6	7/97.4	0.040/0.006 • 1.02/0.15	0.080 • 2.03	1.02 • 25.9	980 • 1458
TT/NT-83	036102	1 • 42.4	19/66.4	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.16 • 29.5	1228 • 1827
TT/NT-106	030178	1/0 • 53.5	19/74.5	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.24 • 31.5	1557 • 2317
TT/NT-133	036103	2/0 • 67.4	19/83.7	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.36 • 34.5	1828 • 2720
TT/NT-168	036104	3/0 • 85.0	19/94.0	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.45 • 36.8	2244 • 3339
TT/NT-212	036105	4/0 • 107.2	19/105.5	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.59 • 40.4	2773 • 4127
TT/NT-250	036106	250 • 127.0	37/82.2	0.060/0.008 • 1.52/0.20	0.110 • 2.79	1.80 • 45.7	3360 • 5000
TT/NT-300	036107	300 • 152.0	37/90.0	0.060/0.008 • 1.52/0.20	0.110 • 2.79	1.91 • 48.5	3920 • 5834
TT/NT-350	036108	350 • 177.0	37/97.3	0.060/0.008 • 1.52/0.20	0.110 • 2.79	2.05 • 52.1	4550 • 6771
TT/NT-400	036109	400 • 203.0	37/104.0	0.060/0.008 • 1.52/0.20	0.110 • 2.79	2.22 • 56.4	5133 • 7639
TT/NT-500	036110	500 • 253.0	37/116.2	0.060/0.008 • 1.52/0.20	0.110 • 2.79	2.45 • 62.2	6472 • 9631
TT/NT-600	036111	600 • 304.0	61/99.2	0.070/0.009 • 1.78/0.22	0.110 • 2.79	2.52 • 64.0	7375 • 10975
TT/NT-750	036112	750 • 380.0	61/110.9	0.070/0.009 • 1.78/0.22	0.110 • 2.79	2.83 • 71.9	9200 • 13691

three conductor power distribution / aluminum or bronze armored  
14 AWG to 750 MCM / 600V

TPC Cable Type	Part Number*	Conductor Size AWG/MCM • mm <sup>2</sup>	Stranding Type	PVC/Nylon 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
TT/NT-4	030101*	14 • 2.1	7/24.2	0.015/0.004 • 0.38/0.10	0.045 • 1.14	0.38 • 9.7	107 • 159	156 • 232
TT/NT-6	030102*	12 • 3.3	7/30.5	0.015/0.004 • 0.38/0.10	0.045 • 1.14	0.44 • 11.2	143 • 213	198 • 295
TT/NT-10	030107*	10 • 5.3	7/38.5	0.020/0.004 • 0.51/0.10	0.045 • 1.14	0.51 • 13.0	198 • 295	262 • 390
TT/NT-16	030106*	8 • 8.4	7/48.6	0.030/0.005 • 0.76/0.13	0.060 • 1.52	0.66 • 16.8	337 • 501	419 • 623
TT/NT-26	030105*	6 • 13.3	7/61.2	0.030/0.005 • 0.76/0.13	0.060 • 1.52	0.74 • 18.8	446 • 664	539 • 802
TT/NT-41	030110*	4 • 21.1	7/77.2	0.040/0.006 • 1.02/0.15	0.080 • 2.03	0.89 • 22.6	713 • 1061	825 • 1228
TT/NT-66	030112*	2 • 33.6	7/97.4	0.040/0.006 • 1.02/0.15	0.080 • 2.03	1.07 • 27.2	1039 • 1626	1174 • 1747
TT/NT-83	036102*	1 • 42.4	19/66.4	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.21 • 30.8	1295 • 1927	1448 • 2155
TT/NT-106	030178*	1/0 • 53.5	19/74.5	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.29 • 32.8	1628 • 2422	1792 • 2666
TT/NT-133	036103*	2/0 • 67.4	19/83.7	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.41 • 35.8	1906 • 2836	2085 • 3102
TT/NT-168	036104*	3/0 • 85.0	19/94.0	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.50 • 38.1	2327 • 3463	2518 • 3747
TT/NT-212	036105*	4/0 • 107.2	19/105.5	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.64 • 41.7	2864 • 4262	3073 • 4573
TT/NT-250	036106*	250 • 127.0	37/82.2	0.060/0.008 • 1.52/0.20	0.110 • 2.79	1.85 • 47.0	3462 • 5151	3699 • 5504
TT/NT-300	036107*	300 • 152.0	37/90.0	0.060/0.008 • 1.52/0.20	0.110 • 2.79	1.96 • 49.8	4029 • 5995	4280 • 6369
TT/NT-350	036108*	350 • 177.0	37/97.3	0.060/0.008 • 1.52/0.20	0.110 • 2.79	2.10 • 53.4	4666 • 6943	4935 • 7343
TT/NT-400	036109*	400 • 203.0	37/104.0	0.060/0.008 • 1.52/0.20	0.110 • 2.79	2.27 • 57.7	5259 • 7825	5550 • 8258
TT/NT-500	036110*	500 • 253.0	37/116.2	0.060/0.008 • 1.52/0.20	0.110 • 2.79	2.50 • 63.5	6611 • 9837	6932 • 10315
TT/NT-600	036111*	600 • 304.0	61/99.2	0.070/0.009 • 1.78/0.22	0.110 • 2.79	2.57 • 65.3	7518 • 11187	7847 • 11676
TT/NT-750	036112*	750 • 380.0	61/110.9	0.070/0.009 • 1.78/0.22	0.110 • 2.79	2.88 • 73.2	9360 • 13928	9730 • 14478

\*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.