

BOSTMARINE TYPE T/N POWER CABLE

two conductor power distribution / unarmored & armored
 14 AWG to 500 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

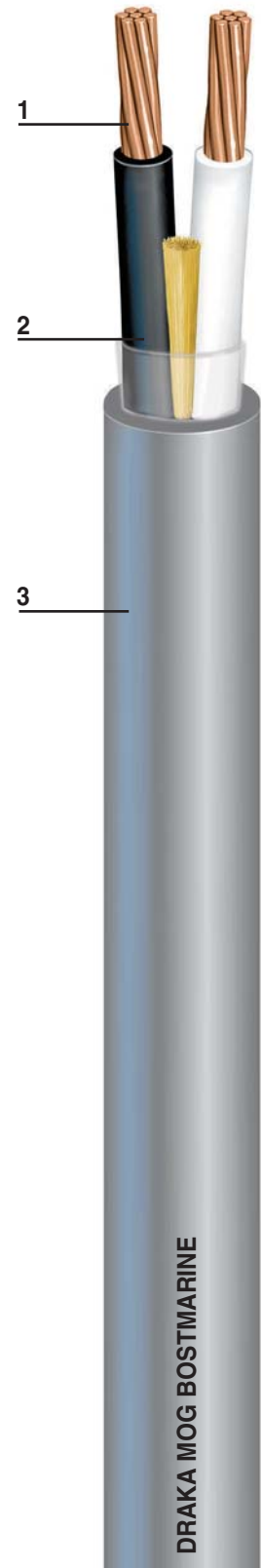
ETL/Intertek Testing Services Listed as Marine Shipboard Cable in accordance with IEEE 45 (1998), IEEE 1580 (2001), UL 1309/CSA245.

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



BOSTMARINE TYPE T/N POWER CABLE

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14 AWG to 500 MCM / 600V



TPC Cable Type	Part Number	Conductor Size AWG/MCM • mm ²	Stranding Type	PVC/Nylon Insulation Thickness in • mm	Jacket Thickness in • mm	Unarmored Cable Diameter in • mm	Unarmored Cable Weight Lbs/mft • Kg/km
DT/NT-4	030103	14 • 2.1	7/24.2	0.015/0.004 • 0.38/0.10	0.045 • 1.14	0.33 • 8.4	66 • 98
DT/NT-6	030123	12 • 3.3	7/30.5	0.015/0.004 • 0.38/0.10	0.045 • 1.14	0.37 • 9.4	88 • 131
DT/NT-10	030114	10 • 5.3	7/38.5	0.020/0.004 • 0.51/0.10	0.045 • 1.14	0.43 • 10.9	133 • 198
DT/NT-16	030138	8 • 8.4	7/48.6	0.030/0.005 • 0.76/0.13	0.060 • 1.52	0.58 • 14.7	216 • 321
DT/NT-26	030139	6 • 13.3	7/61.2	0.030/0.005 • 0.76/0.13	0.060 • 1.52	0.65 • 16.5	311 • 463
DT/NT-41	030182	4 • 21.1	7/77.2	0.040/0.006 • 1.02/0.15	0.060 • 1.52	0.80 • 20.3	479 • 713
DT/NT-66	036090	2 • 33.6	7/97.4	0.040/0.006 • 1.02/0.15	0.080 • 2.03	0.97 • 24.6	727 • 1082
DT/NT-83	036091	1 • 42.4	19/66.4	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.00 • 25.4	933 • 1388
DT/NT-106	036092	1/0 • 53.5	19/74.5	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.18 • 30.0	1110 • 1652
DT/NT-133	036093	2/0 • 67.4	19/83.7	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.27 • 32.3	1323 • 1969
DT/NT-168	036094	3/0 • 85.0	19/94.0	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.38 • 35.1	1602 • 2384
DT/NT-212	036095	4/0 • 107.2	19/105.5	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.56 • 39.6	2122 • 3158
DT/NT-250	036096	250 • 127.0	37/82.2	0.060/0.080 • 1.52/2.03	0.080 • 2.03	1.62 • 41.1	2337 • 3478
DT/NT-300	036097	300 • 152.0	37/90.0	0.060/0.080 • 1.52/2.03	0.110 • 2.79	1.80 • 45.7	2851 • 4243
DT/NT-350	036049	350 • 177.0	37/97.3	0.060/0.080 • 1.52/2.03	0.110 • 2.79	1.90 • 48.3	3303 • 4915
DT/NT-400	036098	400 • 203.0	37/104.0	0.060/0.080 • 1.52/2.03	0.110 • 2.79	2.08 • 52.8	3662 • 5450
DT/NT-500	036099	500 • 253.0	37/116.2	0.060/0.080 • 1.52/2.03	0.110 • 2.79	2.17 • 55.1	4497 • 6692

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

TPC Cable Type	Part Number*	Conductor Size AWG/MCM • mm ²	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
DT/NT-4	030103*	14 • 2.1	7/24.2	0.015/0.004 • 0.38/0.10	0.045 • 1.14	0.38 • 9.7	86 • 128	132 • 196
DT/NT-6	030123*	12 • 3.3	7/30.5	0.015/0.004 • 0.38/0.10	0.045 • 1.14	0.42 • 10.7	110 • 164	162 • 240
DT/NT-10	030114*	10 • 5.3	7/38.5	0.020/0.004 • 0.51/0.10	0.045 • 1.14	0.48 • 12.5	159 • 237	218 • 324
DT/NT-16	030138*	8 • 8.4	7/48.6	0.030/0.005 • 0.76/0.13	0.060 • 1.52	0.63 • 16.0	250 • 372	329 • 490
DT/NT-26	030139*	6 • 13.3	7/61.2	0.030/0.005 • 0.76/0.13	0.060 • 1.52	0.70 • 17.8	351 • 522	437 • 650
DT/NT-41	030182*	4 • 21.1	7/77.2	0.040/0.006 • 1.02/0.15	0.060 • 1.52	0.85 • 21.6	530 • 789	633 • 942
DT/NT-66	036090*	2 • 33.6	7/97.4	0.040/0.006 • 1.02/0.15	0.080 • 2.03	1.02 • 25.9	791 • 1177	912 • 1357
DT/NT-83	036091*	1 • 42.4	19/66.4	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.05 • 26.7	991 • 1475	1124 • 1673
DT/NT-106	036092*	1/0 • 53.5	19/74.5	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.23 • 31.3	1178 • 1753	1334 • 1985
DT/NT-133	036093*	2/0 • 67.4	19/83.7	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.32 • 33.6	1396 • 2077	1564 • 2327
DT/NT-168	036094*	3/0 • 85.0	19/94.0	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.43 • 36.3	1681 • 2501	1863 • 2772
DT/NT-212	036095*	4/0 • 107.2	19/105.5	0.050/0.007 • 1.27/0.18	0.080 • 2.03	1.61 • 40.9	2211 • 3290	2416 • 3595
DT/NT-250	036096*	250 • 127.0	37/82.2	0.060/0.080 • 1.52/2.03	0.080 • 2.03	1.67 • 42.4	2429 • 3614	2643 • 3933
DT/NT-300	036097*	300 • 152.0	37/90.0	0.060/0.080 • 1.52/2.03	0.110 • 2.79	1.85 • 47.0	2953 • 4394	3190 • 4747
DT/NT-350	036049*	350 • 177.0	37/97.3	0.060/0.080 • 1.52/2.03	0.110 • 2.79	1.95 • 49.6	3411 • 5076	3660 • 5446
DT/NT-400	036098*	400 • 203.0	37/104.0	0.060/0.080 • 1.52/2.03	0.110 • 2.79	2.13 • 54.1	3780 • 5625	4053 • 6031
DT/NT-500	036099*	500 • 253.0	37/116.2	0.060/0.080 • 1.52/2.03	0.110 • 2.79	2.22 • 56.4	4620 • 6875	4904 • 7297

*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.