



BOSTMARINE TYPE T/N CONTROL CABLE

indiv. & overall shielded triads / 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. TRIAD SHIELD

Aluminum / polyester tape with tinned copper drain wire to provide 100% coverage over the twisted pair, covered with a polyester tape.

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

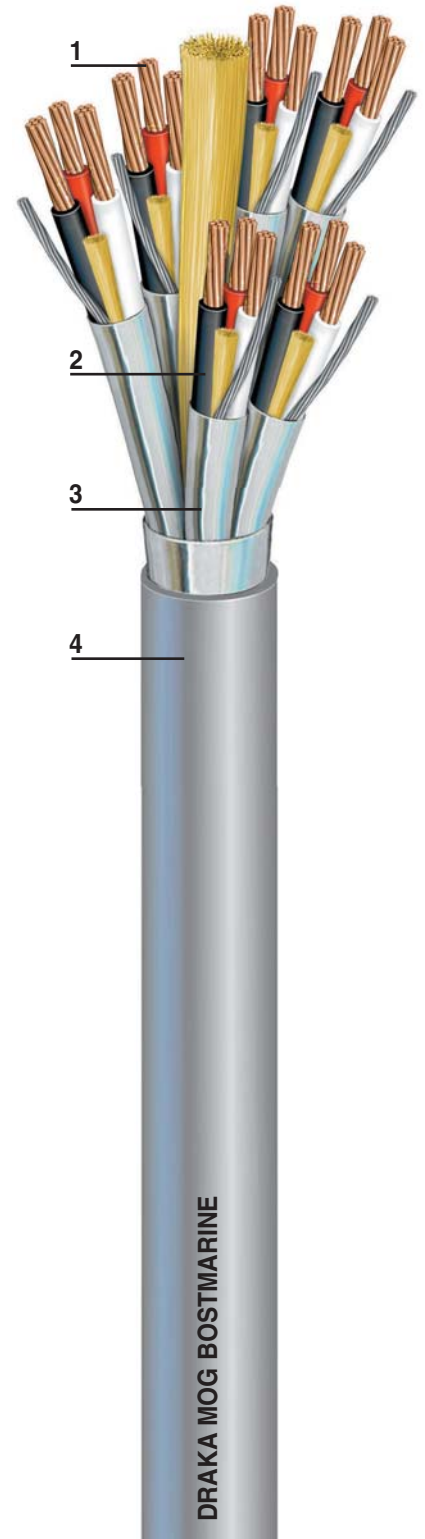
ETL/Intertek Testing Services Listed as Marine Shipboard Cable in accordance with IEEE 45 (1998), IEEE 1580 (2001), UL 1309/CSA245.

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-510



BOSTMARINE TYPE T/N CONTROL CABLE



Draka

Draka Cableteq | Marine, Oil & Gas

indiv. & overall shielded twisted triad / unarmored & armored

18, 16 and 14 AWG / 600V

18 AWG • 1.0 mm²

TPC Cable Type	Part Number*	Number of triads	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
TT18(IS-OS)T/NT-1	350370	1	7/15.2	0.019 • 0.48	0.045 • 1.14	0.31 • 7.9	56 • 83	0.37 • 9.4	75 • 112	119 • 177
TT18(IS-OS)T/NT-3	350371	3	7/15.2	0.019 • 0.48	0.060 • 1.52	0.59 • 15.0	174 • 259	0.65 • 16.5	209 • 311	291 • 433
TT18(IS-OS)T/NT-6	350372	6	7/15.2	0.019 • 0.48	0.060 • 1.52	0.76 • 19.3	294 • 437	0.82 • 20.8	339 • 504	444 • 661
TT18(IS-OS)T/NT-12	350373	12	7/15.2	0.019 • 0.48	0.080 • 2.03	1.05 • 26.7	567 • 844	1.11 • 28.2	629 • 936	772 • 1149

16 AWG • 1.3 mm²

TPC Cable Type	Part Number*	Number of triads	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
TT16(IS-OS)T/NT-1	350366	1	7/19.2	0.019 • 0.48	0.045 • 1.14	0.33 • 8.4	70 • 104	0.39 • 9.9	91 • 135	138 • 205
TT16(IS-OS)T/NT-3	350367	3	7/19.2	0.019 • 0.48	0.060 • 1.52	0.64 • 16.3	222 • 330	0.70 • 17.8	260 • 387	349 • 519
TT16(IS-OS)T/NT-6	350368	6	7/19.2	0.019 • 0.48	0.060 • 1.52	0.84 • 21.3	380 • 565	0.90 • 22.9	430 • 640	555 • 826
TT16(IS-OS)T/NT-12	350369	12	7/19.2	0.019 • 0.48	0.080 • 2.03	1.15 • 29.2	683 • 1016	1.21 • 30.7	751 • 1117	907 • 1350

14 AWG • 2.1 mm²

TPC Cable Type	Part Number*	Number of triads	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
TT14(IS-OS)T/NT-1	350362	1	7/24.2	0.019 • 0.48	0.045 • 1.14	0.36 • 9.1	93 • 138	0.42 • 10.7	115 • 171	166 • 247
TT14(IS-OS)T/NT-3	350363	3	7/24.2	0.019 • 0.48	0.060 • 1.52	0.70 • 17.8	294 • 437	0.76 • 19.3	336 • 500	431 • 641
TT14(IS-OS)T/NT-6	350364	6	7/24.2	0.019 • 0.48	0.060 • 1.52	0.96 • 24.4	558 • 830	1.02 • 25.9	614 • 914	745 • 1109
TT14(IS-OS)T/NT-12	350365	12	7/24.2	0.019 • 0.48	0.080 • 2.03	1.26 • 32.0	1007 • 1498	1.32 • 33.5	1081 • 1609	1251 • 1861

*NOTE: For aluminum armored versions, add an A (ex. 350356A). For bronze armored versions, add a B (ex. 350356B).

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.