Draka
Draka Cableteq | Marine, Oil & Gas

BOSTRIG™ 125 TYPE P POWER CABLE

five conductor / armored and sheathed
8 to 4/0 AWG / 600/1000V

APPLICATIONS

Bostrig™125 Type P Marine and Offshore Cable is primarily designed for power, control, signal and instrumentation applications for offshore, land rigs, marine vessels and oil and gas drilling rigs.

Bostrig cables have excellent resistance to oil, abrasion, moisture, sunlight and ester-based mud (Type P-MR). They are suitable for use in Class I, Division I and Zone I applications (armored & sheathed) and meet the crush and impact resistance requirements (C&IR) of UL 2225.

The standard insulation has a continuous operating temperature of 125°C allowing for higher ampacity levels. Larger diameter cables carry a new flexible design. They satisfy Transport Canada's cold bend at -40°C and cold impact at -35°C (CSA C 22.2 No. 0.3).

This product is readily available in an unarmored version.

FEATURES

- **SUPERIOR RESISTANCE TO OIL, ABRASION, MOISTURE, SUNLIGHT, MUD, CRUSH AND IMPACT**
- **SUPER-FLEXIBLE AT 4/0 AWG AND LARGER**
- **MEETS IEEE STANDARDS FOR 600V / IEC STANDARDS FOR 0.6/1kV**

CONSTRUCTION

1. **CONDUCTORS**
   Soft annealed stranded tinned copper per ASTM B 33. A polyester tape separator is used over the conductor.
2. **INSULATION**
   Bostrig-125 Type P chemically cross-linked polyolefin (XLPO), meeting IEEE 1580 (2001).
3. **JACKET**
   Flame-retardant Arctic Neoprene, complying with Type N Neoprene as required in IEEE-1580 (2001). Thickness as shown on data sheet for unarmored version.
4. **ARMOR**
   Braided bronze in accordance with IEEE 1580 (2001).
5. **SHEATH**
   Flame-retardant Arctic Neoprene applied over the armor, complying with Type N Neoprene as required in IEEE 1580 (2001). Thickness as shown in tables on reverse.

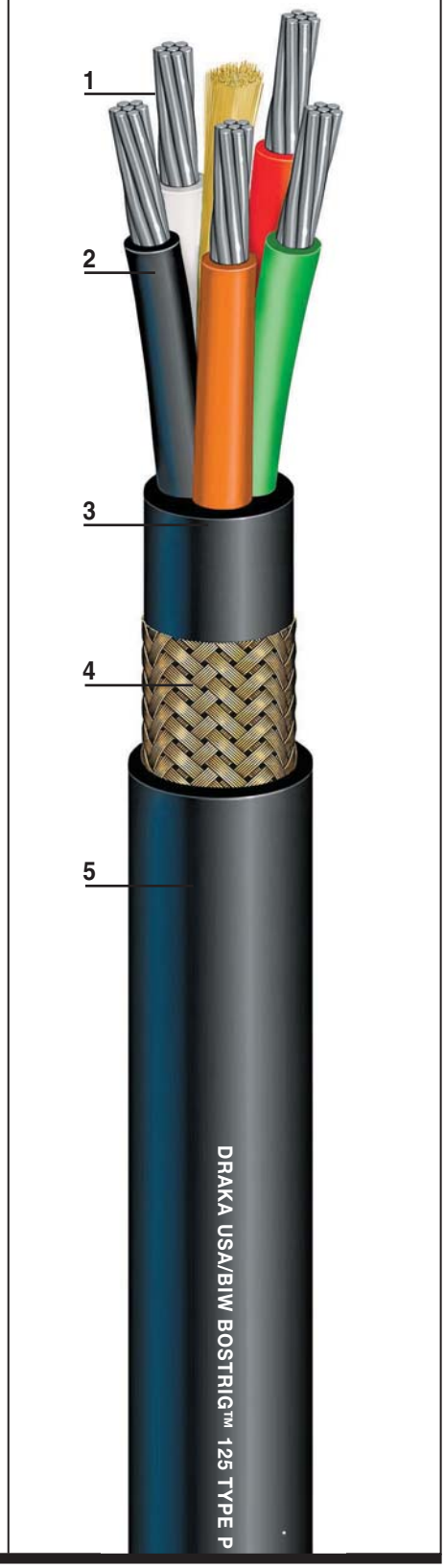
RATINGS

Meets all test requirements of IEEE 1580 (2001) and the flame test in IEC 60332-3, Category A.
Listed by ETL per IEEE 1580 (2001), UL 1309/CSA 245 and IEEE 45 (1998) for 600V.
Bostrig 125 Type P cables comply to UL 1277 Type TC exposed runs requirements and with the Crush and Impact requirements of UL 2225.

APPROVALS

ETL/Intertek Testing Services Listed as Marine Shipboard Cable in accordance with IEEE 45 (1993 draft), IEEE 45 (1998), IEEE 1580 (2001), UL 1309/CSA245 and the performance requirements of IEC 60092-3.
Det Norske Veritas Type Approval Certificates E-6849, E-6850, E-6851, E-6852 and E-6853.
American Bureau of Shipping Approval Certificate B315003-X
Lloyds Registry of Shipping Approval Certificates No. 95/00161(E2) and 95-00162(E2)
Transport Canada Approved AMS400-20-2

Manufactured to BIW Specifying Standard J105



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Type Designation	Draka Number	Conductor Size AWG/MCM • mm²	Sheath Thickness in • mm	Cable Diameter (nominal) in • mm	Impedance (Phase-Neutral) Ω/kft • Ω/km	Inductance mH/kft • mH/km	Capacitance pF/ft • pF/m	Calculated Ampacity† (measured @ °C) 95 • 100 • 110	Cable Weight (approximate) Lbs/mft • Kg/km
QPNBS-8	026162	8 • 7.57	.080 • 2.0	.980 • 24.9	0.70 • 2.3	0.13 • 0.4	95 • 312	38 • 42 • 45	710 • 1057
QPNBS-6	026163	6 • 12.5	.080 • 2.0	1.175 • 29.9	0.46 • 1.5	0.12 • 0.4	126 • 413	50 • 56 • 60	1045 • 1555
QPNBS-5	026164	5 • 18.6	.080 • 2.0	1.310 • 33.2	0.33 • 1.1	0.11 • 0.4	140 • 459	62 • 66 • 70	1350 • 2009
QPNBS-4	026165	4 • 21.5	.080 • 2.0	1.345 • 34.2	0.29 • 1.0	0.11 • 0.4	153 • 502	69 • 74 • 79	1510 • 2247
QPNBS-3	026166	3 • 25.6	.110 • 2.8	1.475 • 37.5	0.23 • 0.8	0.11 • 0.4	173 • 567	79 • 86 • 93	1775 • 2642
QPNBS-2	026167	2 • 30.7	.110 • 2.8	1.560 • 39.6	0.18 • 0.6	0.10 • 0.3	187 • 613	89 • 98 • 105	2000 • 2976
QPNBS-1	026168	1 • 46.0	.125 • 3.2	1.875 • 47.6	0.14 • 0.5	0.10 • 0.3	178 • 584	110 • 114 • 122	2930 • 4360
QPNBS-1/0	026169	1/0 • 56.3	.125 • 3.2	2.025 • 51.4	0.12 • 0.4	0.10 • 0.3	190 • 623	125 • 131 • 141	3435 • 5112
QPNBS-2/0	026170	2/0 • 66.5	.125 • 3.2	2.120 • 53.9	0.09 • 0.3	0.10 • 0.3	212 • 695	140 • 150 • 161	3830 • 5700
QPNBS-3/0	026171	3/0 • 92.1	.140 • 3.6	2.415 • 61.3	0.08 • 0.3	0.10 • 0.3	245 • 804	170 • 174 • 187	5150 • 7664
QPNBS-4/0	026172	4/0 • 112.6	.140 • 3.6	2.550 • 64.8	0.07 • 0.2	0.09 • 0.3	259 • 850	193 • 202 • 216	5930 • 8825

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.
†Ampacity based on 45°C ambient temperature: 95°C values based on ABS MODU Rules Table 6 - 100°C values based on IEEE-45 Table 25 - 110°C values based on IEEE-45 Table 25 corrected for conductor temperature. Ampacity de-rating factor for cables installed in conduit: 4 AWG and smaller multiply by 0.72; 2 AWG thru 3/0AWG multiply by 0.66; 4/0 AWG thru 1000 MCM multiply by 0.64.