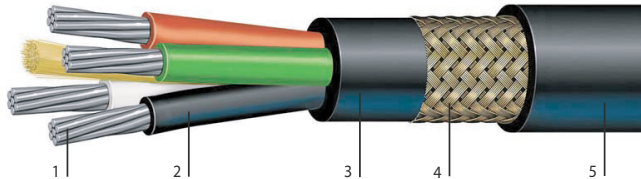




BOSTRIG™ TYPE P POWER CABLE 600V OR 0.6/1kV



**Four conductor / armored and sheathed
TYPE P POWER CABLE
600V or 0.6/1kV
8 AWG to 777 MCM**

Applications

Bostrig™ 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.

Approvals

ETL/Intertek Testing Services Listed as Marine Shipboard Cable in accordance with IEEE 45 (1998), IEEE 1580 (2001), UL 1309/CSA245 and the performance requirements of IEC 60092-3.

Det Norske Veritas Type Approval Certificates E8792, E8793, E8794, E8795 and E8796.

American Bureau of Shipping Approval Certificate 03-HS347018C/3-PDA.

Lloyds Registry of Shipping Approval Certificates No. 95/00161(E3) and 95-00162(E3)

Transport Canada Approved AMS400-20-2

Manufactured to BIW Specifying Standard J105

Construction

1. Conductors	Soft annealed stranded tinned copper per ASTM B 33. A polyester tape separator is used over the conductor.
2. Insulation	Bostrig 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 opposite page.

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

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 Type P cables comply with the Crush and Impact requirements of UL 2225.





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**four conductor / armored and sheathed
8 AWG to 777 MCM / 600V or 0.6/1kV**

Type Designation	Draka Number	Conductor Size AWG/MCM • mm ²	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
FPNBS-8	026144	8 • 7.57	.060 • 1.5	.910 • 23.1	0.70 • 2.3	0.13 • 0.4	95 • 312	47 • 52 • 56	605 • 900
FPNBS-6	026145	6 • 12.5	.080 • 2.0	1.045 • 26.5	0.46 • 1.5	0.12 • 0.4	126 • 413	63 • 70 • 75	890 • 1324
FPNBS-5	026146	5 • 18.6	.080 • 2.0	1.210 • 30.7	0.33 • 1.1	0.11 • 0.4	140 • 459	78 • 82 • 88	1140 • 1696
FPNBS-4	026147	4 • 21.5	.080 • 2.0	1.240 • 31.5	0.29 • 1.0	0.11 • 0.4	153 • 502	86 • 92 • 99	1265 • 1883
FPNBS-3	026148	3 • 25.6	.080 • 2.0	1.300 • 33.0	0.23 • 0.8	0.11 • 0.4	173 • 567	99 • 108 • 116	1415 • 2106
FPNBS-2	026149	2 • 30.7	.080 • 2.0	1.440 • 36.6	0.18 • 0.6	0.10 • 0.3	187 • 613	111 • 122 • 131	1675 • 2493
FPNBS-1	026150	1 • 46.1	.110 • 2.8	1.640 • 41.7	0.14 • 0.5	0.10 • 0.3	178 • 584	137 • 143 • 153	2300 • 3423
FPNBS-1/0	026151	1/0 • 56.3	.110 • 2.8	1.820 • 46.2	0.12 • 0.4	0.10 • 0.3	190 • 623	156 • 164 • 176	2860 • 4256
FPNBS-2/0	026152	2/0 • 66.5	.110 • 2.8	1.920 • 48.8	0.09 • 0.3	0.10 • 0.3	212 • 695	175 • 188 • 201	3150 • 4688
FPNBS-3/0	026153	3/0 • 92.1	.125 • 3.2	2.185 • 55.5	0.08 • 0.3	0.10 • 0.3	245 • 804	213 • 218 • 234	4220 • 6280
FPNBS-4/0	026154	4/0 • 112.6	.125 • 3.2	2.335 • 59.3	0.07 • 0.2	0.09 • 0.3	259 • 850	241 • 252 • 270	4920 • 7322
FPNBS-262	026155	262 • 133.0	.125 • 3.2	2.505 • 63.6	0.06 • 0.2	0.09 • 0.3	247 • 810	267 • 294 • 315	5700 • 8483
FPNBS-313	026156	313 • 158.6	.140 • 3.6	2.695 • 68.5	0.05 • 0.2	0.09 • 0.3	270 • 886	298 • 321 • 344	6620 • 9852
FPNBS-373	026157	373 • 189.3	.140 • 3.6	2.895 • 73.5	0.04 • 0.1	0.09 • 0.3	292 • 958	333 • 361 • 387	7590 • 11295
FPNBS-444	026158	444 • 225.1	.140 • 3.6	3.065 • 77.9	0.04 • 0.1	0.09 • 0.3	318 • 1043	371 • 411 • 440	8800 • 13096
FPNBS-535	026159	535 • 271.2	.140 • 3.6	3.360 • 85.3	0.04 • 0.1	0.09 • 0.3	291 • 954	417 • 443 • 475	10500 • 15626
FPNBS-646	026160	646 • 327.5	.140 • 3.6	3.600 • 91.4	0.04 • 0.1	0.09 • 0.3	314 • 1030	469 • 516 • 553	12290 • 18290
FPNBS-777	026161	777 • 393.8	.140 • 3.6	3.815 • 96.9	0.04 • 0.1	0.09 • 0.3	345 • 1132	528 • 562 • 602	14500 • 21578

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 - 11 0°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.

The ampacity of 4 conductor cables is based on three current carrying conductors and the fourth conductor being used as a Neutral or Grounding conductor. If all conductors are current carrying, the ampacity must be reduced by 0.8.