



Draka

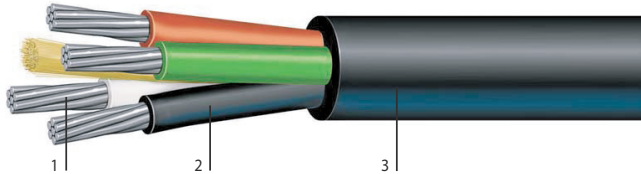
Draka Cableteq | Marine, Oil & Gas International

Bostrig Type P

0807

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



Four conductor / unarmored
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).

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 armored and sheathed 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 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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Subject to change without prior notice

DUSA_MOG31_0807



BOSTRIG™ TYPE P POWER CABLE

four conductor / unarmored
8 AWG to 777 MCM / 600V or 0.6/1kV

Type Designation	Draka Number	Conductor Size AWG/MCM • mm ²	Jacket 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
FPN-8	026079	8 • 7.57	.060 • 1.5	.690 • 17.5	0.70 • 2.3	0.12 • 0.4	95 • 312	47 • 52 • 56	350 • 521
FPN-6	026080	6 • 12.5	.060 • 1.5	.820 • 20.8	0.46 • 1.5	0.11 • 0.4	126 • 413	63 • 70 • 75	540 • 804
FPN-5	026081	5 • 18.6	.080 • 2.0	.980 • 24.9	0.33 • 1.1	0.11 • 0.4	140 • 459	78 • 82 • 88	775 • 1153
FPN-4	026082	4 • 21.5	.080 • 2.0	1.020 • 25.9	0.29 • 1.0	0.10 • 0.3	153 • 502	86 • 92 • 99	885 • 1317
FPN-3	026083	3 • 25.6	.080 • 2.0	1.080 • 27.4	0.23 • 0.8	0.10 • 0.3	173 • 567	99 • 108 • 116	1025 • 1525
FPN-2	026084	2 • 30.7	.080 • 2.0	1.160 • 29.5	0.18 • 0.6	0.10 • 0.3	187 • 613	111 • 122 • 131	1170 • 1741
FPN-1	026085	1 • 46.1	.080 • 2.0	1.360 • 34.5	0.14 • 0.5	0.09 • 0.3	178 • 584	137 • 143 • 153	1710 • 2545
FPN-1/0	026086	1/0 • 56.3	.110 • 2.8	1.510 • 38.4	0.12 • 0.4	0.09 • 0.3	190 • 623	156 • 164 • 176	2100 • 3125
FPN-2/0	026087	2/0 • 66.5	.110 • 2.8	1.590 • 40.4	0.09 • 0.3	0.09 • 0.3	212 • 695	175 • 188 • 201	2410 • 3586
FPN-3/0	026088	3/0 • 92.1	.125 • 3.2	1.875 • 47.6	0.08 • 0.3	0.09 • 0.3	245 • 804	213 • 218 • 234	3360 • 5000
FPN-4/0	026089	4/0 • 112.6	.125 • 3.2	1.995 • 50.7	0.07 • 0.2	0.09 • 0.3	259 • 850	241 • 252 • 270	3940 • 5863
FPN-262	026090	262 • 133.0	.125 • 3.2	2.165 • 55.0	0.06 • 0.2	0.09 • 0.3	247 • 810	267 • 294 • 315	4640 • 6905
FPN-313	026091	313 • 158.6	.140 • 3.6	2.355 • 59.8	0.05 • 0.2	0.09 • 0.3	270 • 886	298 • 321 • 344	5475 • 8148
FPN-373	026092	373 • 189.3	.140 • 3.6	2.525 • 64.1	0.04 • 0.1	0.09 • 0.3	292 • 958	333 • 361 • 387	6365 • 9472
FPN-444	026093	444 • 225.1	.140 • 3.6	2.695 • 68.5	0.04 • 0.1	0.09 • 0.3	318 • 1043	371 • 411 • 440	7500 • 11161
FPN-535	026094	535 • 271.2	.140 • 3.6	2.990 • 76.0	0.04 • 0.1	0.09 • 0.3	291 • 954	417 • 443 • 475	8970 • 13349
FPN-646	026095	646 • 327.5	.140 • 3.6	3.230 • 82.0	0.04 • 0.1	0.09 • 0.3	314 • 1030	469 • 516 • 553	10640 • 15834
FPN-777	026096	777 • 393.8	.140 • 3.6	3.445 • 87.5	0.03 • 0.1	0.09 • 0.3	345 • 1132	528 • 562 • 602	12730 • 18944

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/OAWG 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.