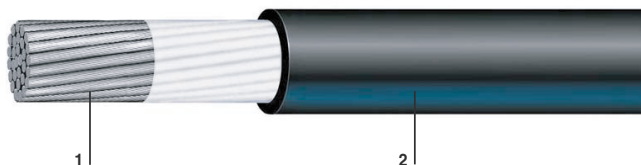


BOSTRIG™ TYPE P POWER CABLE 600V OR 0.6/1kV & 2000V



**Single conductor / unarmored
TYPE P POWER CABLE
600V or 0.6/1kV & 2000V
18 AWG to 1111 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 J104

Construction

1. Conductor	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). 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 600 & 2000V / 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 & 2000V.





BOSTRIG™ TYPE P POWER CABLE

single conductor / unarmored 18 AWG to 1111 MCM / 600V or 0.6/1kV & 2000V

600V or 600/1000V

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 ¹ (measured @ °C)			Cable Weight (approximate) Lbs/mft • Kg/km
								95	100	110	
SP-18	026000	18	.030 • 0.76	.111 • 2.8	6.4 • 21.0	0.18 • 0.6	58 • 190	16 • 16 • 17		11 • 16	
SP-16	026001	16	.030 • 0.76	.119 • 3.0	4.5 • 14.8	0.18 • 0.6	65 • 213	20 • 23 • 25		13 • 19	
SP-14	026002	14	.030 • 0.76	.133 • 3.4	2.9 • 9.5	0.16 • 0.5	77 • 253	29 • 37 • 39		18 • 27	
SP-12	026004	12	.030 • 0.76	.151 • 3.8	1.9 • 6.2	0.15 • 0.5	90 • 295	38 • 45 • 49		28 • 42	
SP-10	026004	10	.030 • 0.76	.180 • 4.6	1.2 • 3.9	0.14 • 0.5	107 • 351	51 • 58 • 61		44 • 65	
SP-8	026005	8 • 8.4	.045 • 1.1	.233 • 5.9	0.7 • 2.3	0.14 • 0.5	95 • 311	67 • 72 • 77		69 • 103	
SP-6	026006	6 • 13.3	.045 • 1.1	.290 • 7.4	0.5 • 1.6	0.12 • 0.4	126 • 413	90 • 96 • 103		103 • 153	
SP-5	026007	5 • 18.6	.045 • 1.1	.335 • 8.5	0.3 • 1.6	0.12 • 0.4	140 • 459	111 • 109 • 117		145 • 216	
SP-4	026008	4 • 21.5	.045 • 1.11	.353 • 9.0	0.3 • 1.6	0.12 • 0.4	153 • 502	122 • 128 • 137		171 • 254	
SP-3	026009	3 • 27.2	.045 • 1.1	.380 • 9.7	0.2 • 0.7	0.11 • 0.4	173 • 567	142 • 146 • 156		200 • 298	
SP-2	026010	2 • 33.7	.045 • 1.1	.423 • 10.7	0.2 • 0.7	0.11 • 0.4	187 • 613	162 • 169 • 181		231 • 344	
SP-1	026011	1 • 46.1	.055 • 1.4	.493 • 12.5	0.1 • 0.3	0.11 • 0.4	178 • 584	197 • 194 • 208		348 • 518	
SP-1/0	026012	1/0 • 56.3	.055 • 1.4	.524 • 13.3	0.1 • 0.3	0.11 • 0.4	190 • 623	223 • 227 • 243		414 • 618	
SP-2/0	026013	2/0 • 67.6	.055 • 1.4	.578 • 14.7	0.09 • 0.3	0.10 • 0.3	212 • 695	250 • 262 • 281		476 • 708	
SP-3/0	026014	3/0 • 92.1	.055 • 1.4	.659 • 16.7	0.08 • 0.3	0.10 • 0.3	245 • 804	304 • 300 • 321		671 • 999	

2000V

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 ¹ (measured @ °C)			Cable Weight (approximate) Lbs/mft • Kg/km
								95	100	110	
SP2KV-8	030477	8	0.055 • 1.40	0.265 • 6.7	0.695 • 2.28	0.108 • 0.354	82 • 269	67 • 72 • 77		74 • 111	
SP2KV-6	030478	6	0.055 • 1.40	0.326 • 8.3	0.442 • 1.45	0.099 • 0.324	108 • 354	90 • 96 • 103		110 • 164	
SP2KV-5	030479	5	0.055 • 1.40	0.354 • 9.0	0.332 • 1.09	0.097 • 0.318	120 • 393	111 • 109 • 117		147 • 220	
SP2KV-4	030480	4	0.055 • 1.40	0.38 • 9.7	0.277 • 0.91	0.095 • 0.312	131 • 430	122 • 128 • 137		170 • 254	
SP2KV-3	030481	3	0.055 • 1.40	0.42 • 10.7	0.221 • 0.72	0.092 • 0.302	148 • 485	142 • 146 • 156		206 • 307	
SP2KV-2	030482	2	0.055 • 1.40	0.449 • 11.4	0.176 • 0.58	0.090 • 0.295	160 • 525	162 • 169 • 181		251 • 374	
SP2KV-1	030483	1	0.065 • 1.65	0.519 • 13.2	0.141 • 0.46	0.091 • 0.298	158 • 518	197 • 194 • 208		341 • 507	
SP2KV-1/0	029732	1/0	0.065 • 1.65	0.549 • 13.9	0.113 • 0.37	0.089 • 0.292	168 • 551	223 • 227 • 243		405 • 603	
SP2KV-2/0	027055	2/0	0.065 • 1.65	0.594 • 15.1	0.092 • 0.30	0.088 • 0.289	184 • 604	250 • 262 • 281		499 • 742	
SP2KV-3/0	030484	3/0	0.065 • 1.65	0.684 • 17.4	0.075 • 0.25	0.086 • 0.282	216 • 708	304 • 300 • 321		668 • 994	
SP2KV(HD)-4/0	026015	4/0 • 112.6	0.105 • 2.7	.821 • 20.9	0.07 • 0.2	0.11 • 0.4	146 • 479	344 • 351 • 376		896 • 1333	
SP2KV(HD)-262	026016	262 • 133.1	0.105 • 2.7	.895 • 22.7	0.06 • 0.2	0.10 • 0.3	162 • 531	382 • 407 • 436		1035 • 1540	
SP2KV(HD)-313	026017	313 • 158.7	0.105 • 2.7	.966 • 24.5	0.06 • 0.2	0.10 • 0.3	175 • 574	426 • 455 • 487		1227 • 1826	
SP2KV(HD)-373	026018	373 • 189.2	0.105 • 2.7	1.033 • 26.2	0.05 • 0.2	0.10 • 0.3	189 • 620	476 • 516 • 553		1424 • 2119	
SP2KV(HD)-444	026019	444 • 225.2	0.105 • 2.7	1.114 • 28.3	0.05 • 0.2	0.10 • 0.3	205 • 672	531 • 588 • 630		1707 • 2540	
SP2KV(HD)-535	026020	535 • 271.3	0.120 • 3.1	1.227 • 31.2	0.04 • 0.1	0.10 • 0.3	200 • 656	596 • 630 • 675		2025 • 3014	
SP2KV(HD)-646	026021	646 • 327.5	0.120 • 3.1	1.331 • 33.3	0.04 • 0.1	0.10 • 0.3	216 • 708	670 • 731 • 783		2429 • 3615	
SP2KV(HD)-777	026022	777 • 394.2	0.120 • 3.1	1.424 • 36.2	0.04 • 0.1	0.10 • 0.3	236 • 774	754 • 822 • 881		2896 • 4310	
SP2KV(HD)-1111	026023	1111 • 563.0	0.120 • 3.1	1.675 • 42.5	0.04 • 0.1	0.10 • 0.3	257 • 843	942 • 1025 • 1098		3946 • 5872	

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.

¹Ampacity 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 O°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.