



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. E-8796
This Certificate consists of 5 pages

This is to certify that the
Electric Cable, Power Current
with type designation(s)
BOSTRIG-125 Type P, SPBS, DPNBS, TPNBS, FPNBS, QPNBS
and C..PNBS., BOSTRIG-125 Type P, SPBS2KV and
SPBS2KV(HD)

Holder of certificate
Draka Marine, Oil & Gas International
Houston, TX 77032, United States

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det
Norske Veritas' Offshore Standards
IEEE 45-1998
IEEE 1580-2001
IEC 60332-3-22 (2000-10)

Application
Power, Lighting and Control

Type	Voltage class (kV)	Temp. class (°C)
BOSTRIG-125 Type P, SPBS, DPNBS, TPNBS, FPNBS, QPNBS and C..PNBS.	0,6/1	95
BOSTRIG-125 Type P, SPBS2KV and SPBS2KV(HD)	2	95

Place and date
Høvik, 2007-12-19
for DET NORSKE VERITAS AS



Marit Laumann
Head of Section



Local Office
DNV New York

This Certificate is valid until
2011-12-31



Ivar Bull
Surveyor

**Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.**

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: E-8796

File No.: 827.10

Name and place of manufacturer:

Draka Cableteq USA

North Dighton

MA 02764

USA

Product description

Construction:

Conductor: Tinned stranded copper

Insulation: XLPO (Type P)

Filler: Flame Retardant, non hygroscopic (as needed)

Inner sheath: SP1 (Type N)

Metal covering: Bronze or Aluminum wire braid

Outer sheath: SP1 (Type N)

Number of cores x conductor cross-section		Overall diameter		Type designation
mm ²	AWG/ MCM	mm	Inches	
1 x 7,57	8	10,54	0,415	SPBS-8
1 x 12,5	6	11,94	0,470	SPBS-6
1 x 18,6	5	13,34	0,525	SPBS-5
1 x 21,5	4	13,59	0,535	SPBS-4
1 x 25,6	3	14,22	0,560	SPBS-3
1 x 30,7	2	15,11	0,595	SPBS-2
1 x 46,0	1	17,15	0,675	SPBS-1
1 x 56,3	1/0	18,54	0,730	SPBS-1/0
1 x 66,5	2/0	18,92	0,745	SPBS-2/0
1 x 92,1	3/0	22,61	0,890	SPBS-3/0
1 x 7,57	8	11,05	0,435	SPBS2KV-8
1 x 12,5	6	12,57	0,495	SPBS2KV-6
1 x 18,6	5	13,84	0,545	SPBS2KV-5
1 x 21,5	4	14,10	0,555	SPBS2KV-4
1 x 25,6	3	14,73	0,580	SPBS2KV-3
1 x 30,7	2	15,62	0,615	SPBS2KV-2
1 x 46,0	1	17,65	0,695	SPBS2KV-1
1 x 56,3	1/0	19,05	0,750	SPBS2KV-1/0
1 x 66,5	2/0	19,43	0,765	SPBS2KV-2/0
1 x 92,1	3/0	23,61	0,910	SPBS2KV-3/0
1 x 112,6	4/0	26,42	1,040	SPBS2KV(HD)-4/0
1 x 133,0	262	27,69	1,090	SPBS2KV(HD)-262
1 x 158,6	313	29,34	1,155	SPBS2KV(HD)-313
1 x 189,3	373	31,12	1,225	SPBS2KV(HD)-373

Number of cores x conductor cross-section		Overall diameter		Type designation
mm ²	AWG/ MCM	mm	Inches	
1 x 225,1	444	32,89	1,295	SPBS2KV(HD)-444
1 x 271,2	535	37,47	1,475	SPBS2KV(HD)-535
1 x 327,5	646	40,01	1,575	SPBS2KV(HD)-646
1 x 393,8	777	42,29	1,665	SPBS2KV(HD)-777
1 x 562,8	1111	50,55	1,990	SPBS2KV(HD)-1111
2 x 7,57	8	19,43	0,765	DPNBS-8
2 x 12,5	6	23,37	0,920	DPNBS-6
2 x 18,6	5	26,42	1,040	DPNBS-5
2 x 21,5	4	27,69	1,090	DPNBS-4
2 x 25,6	3	28,96	1,140	DPNBS-3
2 x 30,7	2	30,61	1,205	DPNBS-2
2 x 46,0	1	36,32	1,430	DPNBS-1
2 x 56,3	1/0	38,99	1,535	DPNBS-1/0
2 x 66,5	2/0	40,64	1,600	DPNBS-2/0
2 x 92,1	3/0	47,50	1,870	DPNBS-3/0
2 x 112,6	4/0	50,17	1,975	DPNBS-4/0
2 x 133,0	262	54,48	2,145	DPNBS-262
2 x 158,6	313	58,55	2,305	DPNBS-313
2 x 189,3	373	62,10	2,445	DPNBS-373
2 x 225,1	444	65,66	2,585	DPNBS-444
2 x 271,2	535	72,77	2,865	DPNBS-535
2 x 327,5	646	77,85	3,065	DPNBS-646
2 x 393,8	777	83,06	3,270	DPNBS-777



Cert. No.: E-8796

File No.: 827.10

Number of cores x conductor cross-section		Overall diameter		Type designation
mm ²	AWG/ MCM	mm	Inches	
3 x 7,57	8	21,21	0,835	TPNBS 8
3 x 12,5	6	24,51	0,965	TPNBS-6
3 x 18,6	5	28,45	1,120	TPNBS-5
3 x 21,5	4	28,96	1,140	TPNBS-4
3 x 25,6	3	30,48	1,200	TPNBS-3
3 x 30,7	2	32,13	1,265	TPNBS-2
3 x 46,0	1	38,23	1,505	TPNBS-1
3 x 56,3	1/0	41,15	1,620	TPNBS-1/0
3 x 66,5	2/0	43,94	1,730	TPNBS-2/0
3 x 92,1	3/0	50,17	1,975	TPNBS-3/0
3 x 112,6	4/0	53,59	2,110	TPNBS-4/0
3 x 133,0	262	58,17	2,290	TPNBS-262
3 x 158,6	313	61,85	2,435	TPNBS-313
3 x 189,3	373	65,66	2,585	TPNBS-373
3 x 225,1	444	70,23	2,765	TPNBS-444
3 x 271,2	535	76,96	3,030	TPNBS-535
3 x 327,5	646	83,19	3,275	TPNBS-646
3 x 393,8	777	88,01	3,465	TPNBS-777
4 x 7,57	8	23,11	0,910	FPNBS 8
4 x 12,5	6	26,54	1,045	FPNBS-6
4 x 18,6	5	30,73	1,210	FPNBS-5
4 x 21,5	4	31,50	1,240	FPNBS-4
4 x 25,6	3	33,02	1,300	FPNBS-3
4 x 30,7	2	36,58	1,440	FPNBS-2
4 x 46,0	1	41,66	1,640	FPNBS-1
4 x 56,3	1/0	46,23	1,820	FPNBS-1/0
4 x 66,5	2/0	48,77	1,920	FPNBS-2/0
4 x 92,1	3/0	55,50	2,185	FPNBS-3/0
4 x 112,6	4/0	59,31	2,335	FPNBS-4/0
4 x 133,0	262	63,63	2,505	FPNBS-262
4 x 158,6	313	68,45	2,695	FPNBS-313
4 x 189,3	373	73,53	2,895	FPNBS-373
4 x 225,1	444	77,85	3,065	FPNBS-444
4 x 271,2	535	85,34	3,360	FPNBS-535
4 x 327,5	646	91,44	3,600	FPNBS-646
4 x 393,8	777	96,90	3,815	FPNBS-777
5 x 7,57	8	24,89	0,980	QPNBS 8
5 x 12,5	6	29,85	1,175	QPNBS-6
5 x 18,6	5	33,27	1,310	QPNBS-5
5 x 21,5	4	34,16	1,345	QPNBS-4
5 x 25,6	3	37,47	1,475	QPNBS-3
5 x 30,7	2	39,62	1,560	QPNBS-2
5 x 46,0	1	47,63	1,875	QPNBS-1
5 x 56,3	1/0	51,44	2,025	QPNBS-1/0
5 x 66,5	2/0	53,85	2,120	QPNBS-2/0
5 x 92,1	3/0	61,34	2,415	QPNBS-3/0
5 x 112,6	4/0	64,77	2,550	QPNBS-4/0
7 x 7,57	8	27,31	1,075	7PNBS-8
4 x 3,08	12	25,65	1,010	[FP-12/C(OS)14P-4]NBS-8
4 x 1,94	14			

Number of cores x conductor cross-section		Overall diameter		Type designation
mm ²	AWG/ MCM	mm	Inches	
4 x 7,57	8	30,99	1,220	[FP-8/C(OS)14P-4]NBS-8
4 x 1,94	14			
4 x 21,5	4	38,61	1,520	[FP-4/C(OS)14P-4]NBS-8
4 x 1,94	14			
4 x 30,7	2	41,15	1,620	[FP-2/C(OS)14P-4]NBS-8
4 x 1,94	14			
4 x 46,0	1	48,01	1,890	[FP-1/C(OS)14P-4]NBS-8
4 x 1,94	14			
2 x 18,6	5	49,78	1,960	[DP-2/FP-8/C14P-26/TP(I/S)14P-3]NBS-38
4 x 7,57	8			
26 x 1,94	14			
3x 2x 1,94	14			
7 x 6,0	9	43,69	1,720	[C9P-7/C13P-7/C15P-12]NBS-26
7 x 2,5	13			
12 x 1,5	15			
2 x 0,96	18	13,08	0,515	C18PNBS-2
3 x 0,96	18	13,72	0,540	C18PNBS-3
4 x 0,96	18	14,61	0,575	C18PNBS-4
5 x 0,96	18	15,37	0,605	C18PNBS-5
6 x 0,96	18	16,26	0,640	C18PNBS-6
7 x 0,96	18	16,26	0,640	C18PNBS-7
8 x 0,96	18	17,02	0,670	C18PNBS-8
10 x 0,96	18	19,05	0,750	C18PNBS-10
12 x 0,96	18	19,43	0,765	C18PNBS-12
16 x 0,96	18	22,48	0,885	C18PNBS-16
20 x 0,96	18	23,75	0,935	C18PNBS-20
24 x 0,96	18	25,65	1,010	C18PNBS-24
30 x 0,96	18	27,94	1,100	C18PNBS-30
37 x 0,96	18	29,59	1,165	C18PNBS-37
44 x 0,96	18	32,39	1,275	C18PNBS-44
45 x 0,96	18	32,39	1,275	C18PNBS-45
60 x 0,96	18	36,70	1,445	C18PNBS-60
91 x 0,96	18	41,91	1,650	C18PNBS-91
2 x 1,23	16	13,59	0,535	C16PNBS-2
3 x 1,23	16	13,84	0,545	C16PNBS-3
4 x 1,23	16	14,99	0,590	C16PNBS-4
5 x 1,23	16	15,75	0,620	C16PNBS-5
6 x 1,23	16	16,64	0,655	C16PNBS-6
7 x 1,23	16	16,64	0,655	C16PNBS-7
8 x 1,23	16	18,29	0,720	C16PNBS-8
10 x 1,23	16	19,69	0,775	C16PNBS-10

