



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. E-8800

This Certificate consists of 5 pages

This is to certify that the

Electric Cable, Power Current

with type designation(s)

**BOSTRIG-125 Type P, Mud resistant, SPBM2KV and
SPBM2KV(HD), BOSTRIG-125 Type P, Mud resistant, SPBM,
DPNBM, TPNBM, FPNBM, QPNBM and C..PNBM.**

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. Mud resistant.

Type	Voltage class (kV)	Temp. class (°C)
BOSTRIG-125 Type P, Mud resistant, SPBM2KV and SPBM2KV(HD)	2	95
BOSTRIG-125 Type P, Mud resistant, SPBM, DPNBM, TPNBM, FPNBM, QPNBM and C..PNBM.	0,6/1	95

Place and date

Høvik, 2007-12-19

for DET NORSKE VERITAS AS

Marit Laumann

Marit Laumann
Head of Section



Local Office
DNV New York

This Certificate is valid until

2011-12-31

Ivar Bull

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-8800

File No.: 827.10

Name and place of manufacturer:

Draka Cableteq USA

North Dighton

MA 02764

USA

Product description

Construction:

Conductor:

Insulation:

Filler:

Inner sheath:

Metal covering:

Outer sheath:

Tinned stranded copper

XLPO (Type P)

Flame Retardant, non hygroscopic (as needed)

SP1 (Type N)

Bronze or Aluminium wire braid

Crosslinked Polyolefin SHF 2, (Type M)

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	SPBM-8
1 x 12,5	6	11,94	0,470	SPBM-6
1 x 18,6	5	13,34	0,525	SPBM-5
1 x 21,5	4	13,59	0,535	SPBM-4
1 x 25,6	3	14,22	0,560	SPBM-3
1 x 30,7	2	15,11	0,595	SPBM-2
1 x 46,0	1	17,15	0,675	SPBM-1
1 x 56,3	1/0	18,54	0,730	SPBM-1/0
1 x 66,5	2/0	18,92	0,745	SPBM-2/0
1 x 92,1	3/0	22,61	0,890	SPBM-3/0
1 x 7,57	8	11,05	0,435	SPBM2KV-8
1 x 12,5	6	12,57	0,495	SPBM2KV-6
1 x 18,6	5	13,84	0,545	SPBM2KV-5
1 x 21,5	4	14,10	0,555	SPBM2KV-4
1 x 25,6	3	14,73	0,580	SPBM2KV-3
1 x 30,7	2	15,62	0,615	SPBM2KV-2
1 x 46,0	1	17,65	0,695	SPBM2KV-1
1 x 56,3	1/0	19,05	0,750	SPBM2KV-1/0
1 x 66,5	2/0	19,43	0,765	SPBM2KV-2/0
1 x 92,1	3/0	23,61	0,910	SPBM2KV-3/0
1 x 112,6	4/0	26,42	1,040	SPBM2KV(HD)-4/0
1 x 133,0	262	27,69	1,090	SPBM2KV(HD)-262
1 x 158,6	313	29,34	1,155	SPBM2KV(HD)-313
1 x 189,3	373	31,12	1,225	SPBM2KV(HD)-373
1 x 225,1	444	32,89	1,295	SPBM2KV(HD)-444
1 x 271,2	535	37,47	1,475	SPBM2KV(HD)-535

Number of cores x conductor cross-section		Overall diameter		Type designation
mm ²	AWG/ MCM	mm	Inches	
1 x 327,5	646	40,01	1,575	SPBM2KV(HD)-646
1 x 393,8	777	42,29	1,665	SPBM2KV(HD)-777
1 x 562,8	1111	50,55	1,990	SPBM2KV(HD)-1111
2 x 7,57	8	19,43	0,765	DPNBM-8
2 x 12,5	6	23,37	0,920	DPNBM-6
2 x 18,6	5	26,42	1,040	DPNBM-5
2 x 21,5	4	27,69	1,090	DPNBM-4
2 x 25,6	3	28,96	1,140	DPNBM-3
2 x 30,7	2	30,61	1,205	DPNBM-2
2 x 46,0	1	36,32	1,430	DPNBM-1
2 x 56,3	1/0	38,99	1,535	DPNBM-1/0
2 x 66,5	2/0	40,64	1,600	DPNBM-2/0
2 x 92,1	3/0	47,50	1,870	DPNBM-3/0
2 x 112,6	4/0	50,17	1,975	DPNBM-4/0
2 x 133,0	262	54,48	2,145	DPNBM-262
2 x 158,6	313	58,55	2,305	DPNBM-313
2 x 189,3	373	62,10	2,445	DPNBM-373
2 x 225,1	444	65,66	2,585	DPNBM-444
2 x 271,2	535	72,77	2,865	DPNBM-535
2 x 327,5	646	77,85	3,065	DPNBM-646
2 x 393,8	777	83,06	3,270	DPNBM-777
3 x 7,57	8	21,21	0,835	TPNBM-8
3 x 12,5	6	24,51	0,965	TPNBM-6
3 x 18,6	5	28,45	1,120	TPNBM-5



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Number of cores x conductor cross-section		Overall diameter		Type designation
mm ²	AWG/ MCM	mm	Inches	
3 x 21,5	4	28,96	1,140	TPNBM-4
3 x 25,6	3	30,48	1,200	TPNBM-3
3 x 30,7	2	32,13	1,265	TPNBM-2
3 x 46,0	1	38,23	1,505	TPNBM-1
3 x 56,3	1/0	41,15	1,620	TPNBM-1/0
3 x 66,5	2/0	43,94	1,730	TPNBM-2/0
3 x 92,1	3/0	50,17	1,975	TPNBM-3/0
3 x 112,6	4/0	53,59	2,110	TPNBM-4/0
3 x 133,0	262	58,17	2,290	TPNBM-262
3 x 158,6	313	61,85	2,435	TPNBM-313
3 x 189,3	373	65,66	2,585	TPNBM-373
3 x 225,1	444	70,23	2,765	TPNBM-444
3 x 271,2	535	76,96	3,030	TPNBM-535
3 x 327,5	646	83,19	3,275	TPNBM-646
3 x 393,8	777	88,01	3,465	TPNBM-777
4 x 7,57	8	23,11	0,910	FPNBM-8
4 x 12,5	6	26,54	1,045	FPNBM-6
4 x 18,6	5	30,73	1,210	FPNBM-5
4 x 21,5	4	31,50	1,240	FPNBM-4
4 x 25,6	3	33,02	1,300	FPNBM-3
4 x 30,7	2	36,58	1,440	FPNBM-2
4 x 46,0	1	41,66	1,640	FPNBM-1
4 x 56,3	1/0	46,23	1,820	FPNBM-1/0
4 x 66,5	2/0	48,77	1,920	FPNBM-2/0
4 x 92,1	3/0	55,50	2,185	FPNBM-3/0
4 x 112,6	4/0	59,31	2,335	FPNBM-4/0
4 x 133,0	262	63,63	2,505	FPNBM-262
4 x 158,6	313	68,45	2,695	FPNBM-313
4 x 189,3	373	73,53	2,895	FPNBM-373
4 x 225,1	444	77,85	3,065	FPNBM-444
4 x 271,2	535	85,34	3,360	FPNBM-535
4 x 327,5	646	91,44	3,600	FPNBM-646
4 x 393,8	777	96,90	3,815	FPNBM-777
5 x 7,57	8	24,89	0,980	QPNBM-8
5 x 12,5	6	29,85	1,175	QPNBM-6
5 x 18,6	5	33,27	1,310	QPNBM-5
5 x 21,5	4	34,16	1,345	QPNBM-4
5 x 25,6	3	37,47	1,475	QPNBM-3
5 x 30,7	2	39,62	1,560	QPNBM-2
5 x 46,0	1	47,63	1,875	QPNBM-1
5 x 56,3	1/0	51,44	2,025	QPNBM-1/0
5 x 66,5	2/0	53,85	2,120	QPNBM-2/0
5 x 92,1	3/0	61,34	2,415	QPNBM-3/0
5 x 112,6	4/0	64,77	2,550	QPNBM-4/0
7 x 7,57	8	27,31	1,075	7PNBM-8
4 x 3,08	12	25,65	1,010	[FP-12/C(OS)14P-4]NBM-8
4 x 1,94	14			
4 x 7,57	8	30,99	1,220	[FP-8/C(OS)14P-4]NBM-8

Number of cores x conductor cross-section		Overall diameter		Type designation
mm ²	AWG/ MCM	mm	Inches	
4 x 1,94	14			
4 x 21,5	4	38,61	1,520	[FP-4/C(OS)14P-4]NBM-8
4 x 1,94	14			
4 x 30,7	2	41,15	1,620	[FP-2/C(OS)14P-4]NBM-8
4 x 1,94	14			
4 x 46,0	1	48,01	1,890	[FP-1/C(OS)14P-4]NBM-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]NBM-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]NBM-26
7 x 2,5	13			
12 x 1,5	15			
2 x 0,96	18	13,08	0,515	C18PNBM-2
3 x 0,96	18	13,72	0,540	C18PNBM-3
4 x 0,96	18	14,61	0,575	C18PNBM-4
5 x 0,96	18	15,37	0,605	C18PNBM-5
6 x 0,96	18	16,26	0,640	C18PNBM-6
7 x 0,96	18	16,26	0,640	C18PNBM-7
8 x 0,96	18	17,02	0,670	C18PNBM-8
10 x 0,96	18	19,05	0,750	C18PNBM-10
12 x 0,96	18	19,43	0,765	C18PNBM-12
16 x 0,96	18	22,48	0,885	C18PNBM-16
20 x 0,96	18	23,75	0,935	C18PNBM-20
24 x 0,96	18	25,65	1,010	C18PNBM-24
30 x 0,96	18	27,94	1,100	C18PNBM-30
37 x 0,96	18	29,59	1,165	C18PNBM-37
44 x 0,96	18	32,39	1,275	C18PNBM-44
45 x 0,96	18	32,39	1,275	C18PNBM-45
60 x 0,96	18	36,70	1,445	C18PNBM-60
91 x 0,96	18	41,91	1,650	C18PNBM-91
2 x 1,23	16	13,59	0,535	C16PNBM-2
3 x 1,23	16	13,84	0,545	C16PNBM-3
4 x 1,23	16	14,99	0,590	C16PNBM-4
5 x 1,23	16	15,75	0,620	C16PNBM-5
6 x 1,23	16	16,64	0,655	C16PNBM-6
7 x 1,23	16	16,64	0,655	C16PNBM-7
8 x 1,23	16	18,29	0,720	C16PNBM-8
10 x 1,23	16	19,69	0,775	C16PNBM-10
12 x 1,23	16	20,07	0,790	C16PNBM-12
16 x 1,23	16	22,73	0,895	C16PNBM-16
18 x 1,23	16	23,62	0,930	C16PNBM-18

