



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. E-8797
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, DPM, TPM, QPM and C..PM, BOSTRIG-125 Type P, Mud resistant, SPM2KV(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. Mud resistant.

Type	Voltage class (kV)	Temp. class (°C)
BOSTRIG-125 Type P, Mud resistant, DPM, TPM, QPM and C..PM	0,6/1	95
BOSTRIG-125 Type P, Mud resistant, SPM2KV(HD)	2	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-8797

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

Filler: Flame Retardant, non hygroscopic (as needed)

Outer sheath: 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 112,6	4/0	25,15	0,990	SPM2KV(HD)-4/0
1 x 133,0	262	26,67	1,050	SPM2KV(HD)-262
1 x 158,6	313	28,32	1,115	SPM2KV(HD)-313
1 x 189,3	373	30,10	1,185	SPM2KV(HD)-373
1 x 225,1	444	32,26	1,270	SPM2KV(HD)-444
1 x 271,2	535	36,83	1,450	SPM2KV(HD)-535
1 x 327,5	646	39,12	1,540	SPM2KV(HD)-646
1 x 393,8	777	41,66	1,640	SPM2KV(HD)-777
1 x 562,8	1111	49,53	1,950	SPM2KV(HD)-1111
2 x 7,57	8	14,99	0,590	DPM-8
2 x 12,5	6	17,91	0,705	DPM-6
2 x 18,6	5	20,57	0,810	DPM-5
2 x 21,5	4	22,10	0,870	DPM-4
2 x 25,6	3	23,37	0,920	DPM-3
2 x 30,7	2	25,02	0,985	DPM-2
2 x 46,0	1	29,21	1,150	DPM-1
2 x 56,3	1/0	32,00	1,260	DPM-1/0
2 x 66,5	2/0	33,53	1,320	DPM-2/0
2 x 92,1	3/0	39,62	1,560	DPM-3/0
2 x 112,6	4/0	42,16	1,660	DPM-4/0
2 x 133,0	262	46,48	1,830	DPM-262
2 x 158,6	313	49,91	1,965	DPM-313
2 x 189,3	373	53,47	2,105	DPM-373
2 x 225,1	444	57,02	2,245	DPM-444
2 x 271,2	535	63,37	2,495	DPM-535
2 x 327,5	646	68,45	2,695	DPM-646

Number of cores x conductor cross-section		Overall diameter		Type designation
mm ²	AWG/MCM	mm	Inches	
2 x 393,8	777	73,66	2,900	DPM-777
3 x 7,57	8	15,88	0,625	TPM-8
3 x 12,5	6	19,05	0,750	TPM-6
3 x 18,6	5	22,61	0,890	TPM-5
3 x 21,5	4	23,50	0,925	TPM-4
3 x 25,6	3	24,77	0,975	TPM-3
3 x 30,7	2	26,54	1,045	TPM-2
3 x 46,0	1	31,12	1,225	TPM-1
3 x 56,3	1/0	34,04	1,340	TPM-1/0
3 x 66,5	2/0	36,58	1,440	TPM-2/0
3 x 92,1	3/0	42,29	1,665	TPM-3/0
3 x 112,6	4/0	45,72	1,800	TPM-4/0
3 x 133,0	262	49,53	1,950	TPM-262
3 x 158,6	313	53,21	2,095	TPM-313
3 x 189,3	373	57,02	2,245	TPM-373
3 x 225,1	444	61,60	2,425	TPM-444
3 x 271,2	535	67,56	2,660	TPM-535
3 x 327,5	646	73,79	2,905	TPM-646
3 x 393,8	777	78,61	3,095	TPM-777
4 x 7,57	8	17,53	0,690	FPM-8
4 x 12,5	6	20,83	0,820	FPM-6
4 x 18,6	5	24,89	0,980	FPM-5
4 x 21,5	4	25,91	1,020	FPM-4
4 x 25,6	3	27,43	1,080	FPM-3
4 x 30,7	2	29,46	1,160	FPM-2



Cert. No.: E-8797

File No.: 827.10

Number of cores x conductor cross-section		Overall diameter		Type designation
mm ²	AWG/MCM	mm	Inches	
4 x 46,0	1	34,54	1,360	FPM-1
4 x 56,3	1/0	38,35	1,510	FPM-1/0
4 x 66,5	2/0	40,39	1,590	FPM-2/0
4 x 92,1	3/0	47,63	1,875	FPM-3/0
4 x 112,6	4/0	50,67	1,995	FPM-4/0
4 x 133,0	262	54,99	2,165	FPM-262
4 x 158,6	313	59,82	2,355	FPM-313
4 x 189,3	373	64,14	2,525	FPM-373
4 x 225,1	444	68,45	2,695	FPM-444
4 x 271,2	535	75,95	2,990	FPM-535
4 x 327,5	646	82,04	3,230	FPM-646
4 x 393,8	777	87,50	3,445	FPM-777
5 x 7,57	8	19,30	0,760	QPM-8
5 x 12,5	6	24,26	0,955	QPM-6
5 x 18,6	5	27,43	1,080	QPM-5
5 x 21,5	4	28,58	1,125	QPM-4
5 x 25,6	3	30,35	1,195	QPM-3
5 x 30,7	2	32,51	1,280	QPM-2
5 x 46,0	1	39,75	1,565	QPM-1
5 x 56,3	1/0	43,56	1,715	QPM-1/0
5 x 66,5	2/0	45,47	1,790	QPM-2/0
5 x 92,1	3/0	52,71	2,075	QPM-3/0
5 x 112,6	4/0	56,13	2,210	QPM-4/0
7 x 7,57	8	22,23	0,875	7PM-8
4 x 3,08	12	19,94	0,785	[FP-12/C(OS)14P-4]M-8
4 x 1,94	14	shielded		
4 x 7,57	8	25,15	0,990	[FP-8/C(OS)14P-4]M-8
4 x 1,94	14	shielded		
4 x 21,5	4	31,24	1,230	[FP-4/C(OS)14P-4]M-8
4 x 1,94	14	shielded		
4 x 30,7	2	34,04	1,340	[FP-2/C(OS)14P-4]M-8
4 x 1,94	14	shielded		
4 x 46,0	1	40,13	1,580	[FP-1/C(OS)14P-4]M-8
4 x 1,94	14	shielded		
2 x 18,6	5	41,66	1,640	[DP-2/FP-8/C14P-26/TP(I/S)14P-3]M-38
4 x 7,57	8			
26 x 1,94	14			
3 x 2 x 1,94	14	shielded		
7 x 6,0	9	36,32	1,430	[C9P-7/C13P-7/C15P-12]M-26
7 x 2,5	13			
12 x 1,5	15			
2 x 0,96	18	8,64	0,340	C18PM-2
3 x 0,96	18	9,14	0,360	C18PM-3
4 x 0,96	18	9,91	0,390	C18PM-4
5 x 0,96	18	10,80	0,425	C18PM-5
6 x 0,96	18	11,68	0,460	C18PM-6

Number of cores x conductor cross-section		Overall diameter		Type designation
mm ²	AWG/MCM	mm	Inches	
7 x 0,96	18	11,68	0,460	C18PM-7
8 x 0,96	18	12,45	0,490	C18PM-8
10 x 0,96	18	14,48	0,570	C18PM-10
12 x 0,96	18	14,86	0,585	C18PM-12
16 x 0,96	18	16,76	0,660	C18PM-16
20 x 0,96	18	18,16	0,715	C18PM-20
24 x 0,96	18	20,07	0,790	C18PM-24
30 x 0,96	18	22,23	0,875	C18PM-30
37 x 0,96	18	23,88	0,940	C18PM-37
44 x 0,96	18	26,80	1,055	C18PM-44
45 x 0,96	18	26,80	1,055	C18PM-45
60 x 0,96	18	29,59	1,165	C18PM-60
91 x 0,96	18	35,31	1,390	C18PM-91
2 x 1,23	16	9,02	0,355	C16PM-2
3 x 1,23	16	9,40	0,370	C16PM-3
4 x 1,23	16	10,16	0,400	C16PM-4
5 x 1,23	16	11,18	0,440	C16PM-5
6 x 1,23	16	12,07	0,475	C16PM-6
7 x 1,23	16	12,07	0,475	C16PM-7
8 x 1,23	16	13,72	0,540	C16PM-8
10 x 1,23	16	15,11	0,595	C16PM-10
12 x 1,23	16	15,49	0,610	C16PM-12
16 x 1,23	16	17,15	0,675	C16PM-16
18 x 1,23	16	18,03	0,710	C16PM-18
20 x 1,23	16	18,92	0,745	C16PM-20
22 x 1,23	16	19,94	0,785	C16PM-22
24 x 1,23	16	21,34	0,840	C16PM-24
30 x 1,23	16	23,24	0,915	C16PM-30
37 x 1,23	16	25,02	0,985	C16PM-37
44 x 1,23	16	27,94	1,100	C16PM-44
60 x 1,23	16	30,99	1,220	C16PM-60
91 x 1,23	16	37,59	1,480	C16PM-91
2 x 1,94	14	9,65	0,380	C14PM-2 or DPM-14
3 x 1,94	14	9,91	0,390	C14PM-3 or TPM-14
4 x 1,94	14	10,92	0,430	C14PM-4 or FPM-14
5 x 1,94	14	12,07	0,475	C14PM-5 or QPM-14
6 x 1,94	14	13,08	0,515	C14PM-6
7 x 1,94	14	13,08	0,515	C14PM-7
8 x 1,94	14	14,22	0,560	C14PM-8
10 x 1,94	14	16,51	0,650	C14PM-10
12 x 1,94	14	17,02	0,670	C14PM-12
14 x 1,94	14	17,91	0,705	C14PM-14
16 x 1,94	14	18,80	0,740	C14PM-16
19 x 1,94	14	19,81	0,780	C14PM-19
20 x 1,94	14	20,83	0,820	C14PM-20
24 x 1,94	14	24,13	0,950	C14PM-24
30 x 1,94	14	25,53	1,005	C14PM-30
37 x 1,94	14	27,43	1,080	C14PM-37
44 x 1,94	14	30,86	1,215	C14PM-44
60 x 1,94	14	34,16	1,345	C14PM-60
91 x 1,94	14	41,91	1,650	C14PM-91

