DNV·GL

Certificate No:
TAE00001FV

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
EXANE-125 Type P, DPN, TPN, FPN, QPN & C..PN., EXANE-125 Type P, SP2KV(HD)

Issued to
RSCC Wire & Cable LLC
East Granby CT, United States

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

General power, Lighting and Control

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

Type	Voltage class (kV)	Temp. class (°C)
EXANE-125 Type P, DPN, TPN, FPN, QPN & C..PN.	0,6/1	95
EXANE-125 Type P, SP2KV(HD)	2	95

Issued at **Høvik** on **2017-05-30**
This Certificate is valid until **2021-06-30**.
DNV GL local station: **New York**

Approval Engineer: **Ivar Bull**

for **DNV GL**

Andreas Kristoffersen
Head of Section

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.

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Job Id: **262.1-007169-4**
Certificate No: **TAE00001FV**

Product description

Construction:

Conductor: Tinned stranded copper
Insulation: XLPO (type P)
Filler: Flame Retardant (as required)
Sheath: SE1 (type N)

No of Pairs	mm^2	AWG range	Type Designation (example)
2,3,4,5,6,7,8,10,12,16,20,24,30,37,44,45,60,91 Single cores	0,96 1,23 1,94 3,08	18 16 14 12	C18PN-5
2,3,4,5,6,7,8,10	5,53	10	C10PN-6
4	5,53	10	C(OS)10PN-4
2,3,4	7,57 12,5 18,6 21,5 25,6 30,7 46,0 56,3 66,5 92,1 112,6 133,0 158,6 189,3 225,1 271,2 327,5 393,8	8 6 5 4 3 2 1 1/0 2/0 3/0 4/0 262 313 373 444 535 646 777	DPN-8 TPN-8 FPN-8
5	7,57 12,5 18,6 21,5 25,6 30,7 46,0 56,3 66,5 92,1 112,6	8 6 5 4 3 2 1 1/0 2/0 3/0 4/0	QPN-8
6,7	4,57	8	C8PN-6
4	3,08 1,94	12 14	[FP-12/C(OS)14P-4] N-8
4	7,57 1,94	8 14	FP-8/C(OS)14P-4] N-8
4	21,5 1,94	4 14	[FP-4/C(OS)14P-4] N-8
4	30,7 1,94	2 14	[FP -2/C(OS)14P-4] N-8
4	46,0 1,94	1 14	[FP-1/C(OS)14P-4] N-8
4	56,3 1,94	1/0 14	FP-2C(OS)14P-4] N-8
4	46,0 271,2	1 535	C1P-4/535P-4] N-8
6 4	56,3 3,08	12 1/0	C12P-6/C1/0P-4] N-10

1	112,6 133,0 158,6 189,3 225,1 271,2 327,5 393,8 562,8	4/0 262 313 373 444 535 646 777 1111	SP2KV(HD)-4/0

Application/Limitation
The requirements of SOLAS Amendments Chapter II-1, Part D, Reg. 45, 5.2 (provision to be taken to limit Fire Propagation along Bunches of Cables or Wires) are fulfilled without any additional measures.

Type Approval documentation

Tests carried out
Test according to IEEE1580 and IEC 60332-3 cat. A

Marking of product
EXANE - 125 Type P – IEEE1580 - Type designation - number and size of conductors – Voltage - IEC 60332 Cat. A.

Periodical assessment
The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:
- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE