DNV·GL

Certificate No:
TAE00003FJ

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Electric Power Cable

with type designation(s)
0.6/1kV DPNP, TPNP and FPNP

Issued to
Seoul Electric Wire Co., Ltd.
Eumseong-gun, Chungcheongbuk-do, Republic of Korea

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft
IEC 60092-353 (2016-09)

Application :

General power and lighting.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.
Rated voltage (kV) 0.6/1
Temp. class (°C) 90

Issued at **Busan** on **2019-04-09**
This Certificate is valid until **2022-12-31**.
DNV GL local station: **Seoul**

Approval Engineer: **Eun Jin Lee**

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: **262.1-003852-5**
Certificate No: **TAE00003FJ**

Product description

Type : 0.6/1 kV DPNP & TPNP & FPNP

Conductors: Tinned stranded copper class 5
Core insulation: EPR
Outer sheath: PCP

Number of cores x conductor cross-section mm²	Number of cores x conductor cross-section mm²	Number of cores x conductor cross-section mm²
DPNP	TPNP	FPNP
2 x 0,75	3 x 0,75	4 x 0,75
2 x 1,0	3 x 1,0	4 x 1,0
2 x 1,5	3 x 1,5	4 x 1,5
2 x 2,5	3 x 2,5	4 x 2,5
2 x 4	3 x 4	4 x 4
2 x 6	3 x 6	4 x 6

Type Approval documentation

Tests carried out

Standard	Release	General description	Limitation
IEC 60092-350	2014-08	General construction and test methods of power, control and instrumentation cables for shipboard and offshore applications	
IEC 60092-353	2016-09	Power cables for rated voltages 1kV and 3kV	
IEC 60332-1	2015-07	Test for vertical flame propagation for a single insulated wire or cable	

Marking of product

0.6/1 kV – Type designation – Size – IEC 60332-1 – SEOUL – Year of manufacture – Length

Periodical assessment

The scope of the retention/renewal survey is to verify that the conditions stipulated for the Type Approval Certificate are complied with and that no alterations are made to the design and/or the material of product.

The main elements of the survey are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Check of the results from Production Sample Tests(PST) and Routine Tests(RT) (if not available, PSTand RT are to be carried out)
- Review of type approval documentation
- Review of possible changes in design, material 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