

# TYPE APPROVAL CERTIFICATE

**This is to certify:****That the Electric Power Cable**with type designation(s)  
**SCP**

Issued to

**Kukdong Electric Wire Co., Ltd.**  
**Jincheon-gun Chungcheongbuk-do, Korea**

is found to comply with

**DNV GL rules for classification – Ships, offshore units, and high speed and light craft**  
**JIS C 3410:2010****Application :****General power and lighting. Control.****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 **2018-01-25**This Certificate is valid until **2022-06-30**.for **DNV GL**DNV GL local station: **Seoul**Approval Engineer: **Eun Jin Lee**

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**Michael Jost Auf der Stroth**  
**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.



Job Id: **262.1-012905-3**  
Certificate No: **TAE0000233**

## Product description

Type : SCP

Conductors : Tinned annealed stranded copper conductor, Class 2  
Core insulation : FR-XLPE

| Number Of<br>Cores X<br>Conductor-<br>section |
|-----------------------------------------------|
| mm <sup>2</sup>                               |
| SCP                                           |
| 1 x 1.5                                       |
| 1 x 2.5                                       |
| 1 x 4                                         |
| 1 x 6                                         |
| 1 x 10                                        |

| Number Of<br>Cores X<br>Conductor-<br>section |
|-----------------------------------------------|
| mm <sup>2</sup>                               |
| 1 x 16                                        |
| 1 x 25                                        |
| 1 x 35                                        |
| 1 x 50                                        |
| 1 x 70                                        |
| 1 x 95                                        |

## Type Approval documentation

### Tests carried out

| Standard    | Issued | Limitation |
|-------------|--------|------------|
| JIS C3410   | 2010   |            |
| IEC 60332-1 | 2004   |            |

## Marking of product

0.6/1 kV – SCP – Size – Kukdong – 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, PST and 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