



Certificate no.:  
**TAE000054A**

# TYPE APPROVAL CERTIFICATE

**This is to certify:**

**that the Electric Power Cable**

with type designation(s)  
**EZearth-0.6/1kV FA-DPYCY**

issued to

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

is found to comply with

**DNV rules for classification – Ships**

**Application:**

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

**Rated voltage (kV) 0.6/1**  
**Temp. class (°C) 90**

Issued at **Busan** on **2025-10-30**

This Certificate is valid until **2030-10-29**.

for **DNV**

DNV local unit: **Seoul, CMC Korea**

Approval Engineer: **Eun Jin Lee**

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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV AS, its parent companies and their subsidiaries as well as their officers, directors and employees ("DNV") arising from or in connection with the services rendered for the purpose of the issuance of this document or reliance thereon, whether in contract or in tort (including negligence), shall be limited to direct losses and under any circumstance be limited to USD 300 000.

## Product description

EZearth-0.6/1kV FA-DPYCY, 2 core x 2.5sqmm

|                  |                                                                                        |
|------------------|----------------------------------------------------------------------------------------|
| Conductors:      | Tinned annealed stranded copper conductor, Class 2                                     |
| Core insulation  | EPR                                                                                    |
| Inner sheath :   | ST2                                                                                    |
| Metal covering : | Combined braid with galvanized steel wire and tinned copper wire(or plain copper wire) |
| Outer sheath :   | ST2                                                                                    |

## 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

| Standard       | Release | General description                                                                                                                                                     | Limitation        |
|----------------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| IEC 60092-350  | 2020    | General construction and test methods of power, control and instrumentation cables for shipboard and offshore applications                                              |                   |
| JIS C3410      | 2018    | Cables and flexible cords for electrical equipment of ships                                                                                                             |                   |
| IEC 60332-1    | 2015    | Test for vertical flame propagation for a single insulated wire or cable - Apparatus                                                                                    |                   |
| IEC 60332-3-22 | 2018    | Tests on electric and optical fibre cables under fire conditions - Part 3-22: Test for vertical flame spread of vertically-mounted bunched wires or cables - Category A | Bunch test Cat. A |

## Marking of product

EZearth 0.6/1kV FA-DPYCY 2Cx2.5/2.5 sqmm KUKDONG IEC 60332-3A – Year of manufacture – Length

## 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) and selected type tests (ref. to applicable class programs) checked (if not available these tests shall 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