

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Termination and Joint for Cable**

with type designation(s)

Low Voltage cable joints: EPKJ

Issued to

**Ensto Nor AS
OSLO, Norway**

is found to comply with

DNV GL rules for classification – Ships, offshore units, and high speed and light craft**Application :****Low Voltage cable joints 0,6/1 kV.****For plastic cables with or without armour.****Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.**Issued at **Høvik** on **2018-06-12**This Certificate is valid until **2023-06-11**.DNV GL local station: **Oslo Maritime and CAP**for **DNV GL**Approval Engineer: **Ivar Bull**

**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.



Product description

Type: Inline joints EPKJ for armoured plastic insulated cable 0,6/1 kV:

Product code	Shortname 2 NOR1
NO1167898	TI skjøt uten skjerm 1X 35-50
NO1167899	TI skjøt uten skjerm 1X 70-95
NO1167900	TI skjøt uten skjerm 1X120-150
NO1167901	TI skjøt uten skjerm 1X185-300
NO1167902	TI skjøt uten skjerm 4 x0.75-2.5
NO1167904	TI skjøt uten skjerm 4 x 4-6
NO1167906	TI skjøt uten skjerm 4 x 10-16
NO1167908	TI skjøt uten skjerm 4 x 25
NO1167910	TI skjøt uten skjerm 4 x 35
NO1167912	TI skjøt uten skjerm 4 x 50
NO1167914	TI skjøt uten skjerm 4 x 70
NO1167962	TI skjøt uten skjerm 4 x 95
NO1167964	TI skjøt uten skjerm 4 x120
NO1167966	TI skjøt uten skjerm 4 x150
NO1167968	TI skjøt uten skjerm 4 x185

Type: : Inline joints EPKJ for un-armoured plastic insulated cable 0,6/1 kV:

Product code	Shortname 2 NOR1
NO1167895	TXOI skjøt med skjerm 1X 70-95
NO1167896	TXOI skjøt med skjerm 1X120-150
NO1167897	TXOI skjøt med skjerm 1X185-240
NO1167924	TXOI skjøt med skjerm 4x0.75-2.5
NO1167925	TXOI skjøt med skjerm 1X35-50
NO1167926	TXOI skjøt med skjerm 4 x 4-6
NO1167928	TXOI skjøt med skjerm 4 x 10-16
NO1167930	TXOI skjøt med skjerm 4 x 25
NO1167932	TXOI skjøt med skjerm 4 x 35
NO1167934	TXOI skjøt med skjerm 4 x 50
NO1167936	TXOI skjøt med skjerm 4 x 70
NO1167938	TXOI skjøt med skjerm 4 x 95
NO1167940	TXOI skjøt med skjerm 4 x120
NO1167942	TXOI skjøt med skjerm 4 x150
NO1167944	TXOI skjøt med skjerm 4 x185

Application/Limitation

Installation to be done in accordance with the installation instructions.

Name & place of manufacturer

DNV GL Id : 187561

Type Approval documentation

Tests carried out

Tested according to CENELEC HD 623 – Part 393. DIN/EN 50393 (VDE 0278 part 3).

Marking of product

ENSTO NOR – EPKJ – Voltage class – Batch no.

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 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