

# TYPE APPROVAL CERTIFICATE

## This is to certify:

**That the Termination and Joint for Cable**

with type designation(s)  
**1TTE**

Issued to  
**NEXANS network solutions NV**  
**Erembodegem, Belgium**

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

## Application :

**Products approved by this certificate are accepted for installation on all vessels classed by DNV GL.**

Issued at **Høvik** on **2019-07-09**

for **DNV GL**

This Certificate is valid until **2024-07-08**.

DNV GL local station: **Antwerp**

Approval Engineer: **Nicolay Horn**

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**Trond Sjøvåg**  
**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.



## Name and place of manufacturer

Nexans Italy  
Offida  
ITALY

## Product description

Low Voltage Outdoor Termination kit Type: 1TTE3 & 1TTE4

Kits for unarmoured cables

Termination type	Application range (mm <sup>2</sup> )
1TTE3 & 1TTE 4.16 W	4 - 16
1TTE3 & 1TTE 4.50 W	16 - 50
1TTE3 & 1TTE 4.150 W	70 -150
1TTE3 & 1TTE 4.300 W	185 -300

Kits for armoured cables

Termination type	Application range (mm <sup>2</sup> )
1TTE3 & 1TTE 4.16 Z	4 - 16
1TTE3 & 1TTE 4.50 Z	16 - 50
1TTE3 & 1TTE 4.150 Z	70 -150
1TTE3 & 1TTE 4.300 Z	185 -300

## Application/Limitation

Installation has to be done in accordance with the installation instructions.

## Type Approval documentation

Technical info:

Heat Shrinkable Low Voltage Outdoor Termination for Armoured or Unarmoured Cables up to 0.6/1 (1.2) kV, datasheet from Nexans.

Test reports:

IMQ Test Report no. CN14S0232557-01 dated 2014-05-14.

## Tests carried out

Tested according to EN50393 (2006-4)

## Marking of product

Nexans – Factory Identification – Product Description– Voltage class.

## 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



Job Id: **262.1-028514-1**  
Certificate No: **TAE000039K**

- 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