



# TYPE APPROVAL CERTIFICATE

Certificate No:  
**i Valeri**  
Revision No:  
**2**

## This is to certify:

**That the Low Voltage Cable**

with type designation(s)  
**ÖLFLEX HEAT 260 GLS**

Issued to

**U.I. Lapp GmbH**  
**Stuttgart, Germany**

is found to comply with

**DNV rules for classification – Ships, offshore units, and high speed and light craft**

## Application :

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

**Rated voltage (V) 300/500**  
**Temp. class (°C) -100 up to +200**

Issued at **Hamburg** on **2022-04-21**

for **DNV**

This Certificate is valid until **2027-04-20**.

DNV local station: **Augsburg**

Approval Engineer: **Carsten Hunsalz**

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**Arne Schaarmann**  
**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.

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 300,000 USD.



## Product description

Teflon insulated amoured cable with steel wire braid

Type: ÖLFLEX HEAT 260 GLS  
 Rated voltage: 300/500 V  
 Operating temperature: -100° C up to +200° C  
 Conductor: Flexible stranded nickel plated copper conductor  
 Core insulation: PTFE  
 Inner braid: Glass fibre tape  
 Outer braid: Galvanized steel wire braid  
 Number of cores and cross-sectional area: 2 to 7 x 1,5mm<sup>2</sup>

## Application/Limitation

For installations on diesel engines, turbines, auxiliary boilers and devices with increased temperatures.

## Type Approval documentation

Data sheet for **TN0091120EN\_05\_draft /TD-Number 63713-001**  
 Testreport No.: **KT - 17/1994**  
**HEW Kabel test report dated of 05.08.2005**  
**U.I. Lapp CA-22-197 dated 18.03.2021**

## Tests carried out

Standard	Release	General description	Limitation
MIL-W-16878/13	1994	Military cable and wires	NN
IEC 60228	2004-11	Conductors of insulated cables	
VDE 0207-6	2004-10	Insulating and sheathing compounds for cables and flexible cords	
IEC 60332-1-2	2015-07	Tests on electric and optical fibre cables under fire conditions – Part 1-2: Test for vertical flame propagation for a single insulated wire or cable –Procedure for 1 kW pre-mixed flame	

## Marking of product

LAPP KABEL **STUTTGART** \* ÖLFLEX HEAT 260 GLS \* size \* 300/500 V

## Place of Production

DNV id: 10376706

## 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
- 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