

TYPE APPROVAL CERTIFICATE

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 GL 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 GL.

Voltage class (V) 250

Temp. class (°C) 205

This Certificate is valid until **2022-03-05**.

Issued at **Hamburg** on **2017-03-06**

DNV GL local station: **Augsburg**

for **DNV GL**

Approval Engineer: **Carsten Hunsalz**

Duy Nam Le
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:
Certificate No: **TAE00001JF**

Product description

Teflon insulated armoured cable with steel wire braid

Type: ÖLFLEX HEAT 260 GLS
Rated voltage: 250 V
Max. operating conductor temperature: 205°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 1,5mm²

Application/Limitation

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

Type Approval documentation

Data sheet for ÖLFLEX HEAT 260 GLS, doc. DB0091120DE
Testreport No.: KT - 17/1994

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 * 250 V

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