

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Low Voltage Cable**with type designation(s)
TEHGLP, TEHGLC

Issued to

**HEW-Kabel GmbH
Wipperfürth, 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.****Rated voltage (V) 300/500****Temp. class (°C) -100 up to +200 for spc. npc, tpc (180), +130 for conductor with cu plain**Issued at **Hamburg** on **2020-01-06**This Certificate is valid until **2025-01-05**.for **DNV GL**DNV GL local station: **Essen**Approval Engineer: **Carsten Hunsalz**

**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.



Product description

HEW FEP/Glass Fibre Tape Connection Cable

Type: TEHGLP, TEHGLC

Rated voltage : 300 / 500 V
Operating temperature : -100° C up to +200° C for spc. npc, tpc (180° C)
+130° C for conductor with copper plain
Core insulation : FEP or PTFE
Braid / screen : steel galv. or npc or stainless steel wire or tpc
Outer sheath : with out

Number of cores: Cross-sectional area:
2 to 12 0,75 to 2,5 mm²
1 to 5 4 mm²
1 to 4 6 to 10 mm²

Application/Limitation

For diesel engines, turbines, auxiliary boilers devices with increased temperatures.
For measuring cables in cold storage chambers.

Measures for limitation of the propagation of fire along cable bundles are required (fire stops)

Type Approval documentation

Test Report: HEW report No. 2013091803 dated Febr. 2014
HEW report; dated of 24.01.1973, 06.09.1978
Data Sheet: TD-Number 63713-001

Tests carried out

Standard	Release	General description	Limitation
MIL-W-16878/13	1994	Military cable and wires	
VDE 0207-6	2004-10	Insulating and sheating compounds for cables and flexible cords	
IEC 60228	2004-11	Conductors of insulated cables	
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

Example:

HEW-KABEL - DNV GL No. TAE00003R5 – TEHGLP - size – 300/500V – special text

Job Id: **262.1-030983-1**
Certificate No: **TAE00003R5**

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