



TYPE APPROVAL CERTIFICATE

Certificate no.:
TAE0000365
Revision No:
2

This is to certify:
that the Low Voltage Cable

with type designation(s)
PRYSMIAN - Navy Cable LMGSGO

issued to
Prysmian Kabel und Systeme GmbH
Neustadt b. Coburg, Bayern, 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) 500
Temp. class (°C) 90 °C

Issued at **Høvik** on **2024-02-23**

for **DNV**

This Certificate is valid until **2029-02-22**.

DNV local unit: **Augsburg**

Approval Engineer: **Carsten Hunsalz**

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

EPR insulated and elastomer sheathed cables with screen

Type PRYSMIAN – Navy Cable LMGSGO

Rated voltage: 500 V
 Maximum operating conductor temperature: 90 °C
 Conductor: Copper, plain, stranded (class 2)
 Insulation: Halogenfree cross-linked polyalken
 Screen / braid: Plain copper wire braid
 Outer sheath: Halogenfree elastomer

Number of cores	Cross-sectional area
2 to 37	1,5 mm ²
2 to 7	2,5 mm ²

Application/Limitation

The cables have been approved for firm laying, preferable on ships of the Federal Armed Forces.

Type Approval documentation

Test Report: VDE Certificate of conformity with factory surveillance
 Certificate No. 40001125 / Ref. No.2306700-5970-0061 / 206931, dated 2015-03-03

BAAINBw Certificate of Approval No. U3.3h/14090, dated 18.12.2014

Specification: VG 95218-61:2013-12

Tests carried out

Standard	Issued	General description	Limitation
VG 95218-61	2013-12	Electrical cables and insulated wires — Part 61: Cable with screen and sheath, light weight, halogenfree, low fire hazard	
VG 95218-2	2009-12	Cables and insulated wires - Part 2: Generic specification	
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:

Prysmian Kabel und Systeme GmbH - LMGSGO - size - voltage rating - VDE-REG-Nr

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