



Marine &amp; Offshore

Certificate number: 34693/B0 BV

File number: ACE1/823/1

Product code: 4502H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

www.veristar.com

## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**Sohome AS**  
BERGEN - NORWAY

*for the type of product*

### NETWORK COMMUNICATION SYSTEMS

Maritime LAN Cat.7, S/FTP 4\*2/0.56 mm

#### Requirements:

Bureau Veritas Rules for the Classification of Steel Ships  
IEC 60092-360 (2014)  
IEC 60228 (2004)  
IEC 60332-1-2 (2015), IEC 60332-3-22 Cat.A (2018)  
IEC 60754-2 (2011)  
IEC 61034 (2013)

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

*This certificate is a renewal of certificate N° 34693/A0 BV expiring on 04/11/2018*

**This certificate will expire on: 04 Nov 2023**

**For Bureau Veritas Marine & Offshore,**

At BV OSLO, on 26 Oct 2018,

Rune MARSTEIN

*Rune Marstein*



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristamb.com/veristamb/jsp/viewPublicPdfTypec.jsp?id=ipiug8ceve>

BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION:

Generic data transmission cables for Marine & Offshore application.

#### 1.1 - Specification:

Temperature:	+85°C
Flame retardant:	IEC 60332-3-22 (Cat.A)
Halogen free:	IEC 60754-2
Low smoke:	IEC 61034

#### 1.2 - Construction:

Conductor:	Solid copper wire
Screen:	Copper braid, tinned
Sheath:	SHF1

#### 1.3 - Range:

	F (MHz)
	1.0
	4.0
	10.0
	16.0
	20.0
	31.2
	62.5
	100.0
Maritime LAN Cat.7 S/FTP 4*2/0.56 mm <sup>2</sup>	125.0
	155.5
	175.0
	200.0
	250.0
	300.0
	450.0
	600.0
	750.0
	900.0

### 2. DOCUMENTS AND DRAWINGS:

Specification N°BV-10-001, dated 12.09.2010

### 3. TEST REPORTS:

#### **Prysmian Group:**

Cold impact test report dated 20.06.2013, witnessed by BV' Surveyor.

pH & conductivity test report dated 20.06.2013, witnessed by BV' Surveyor.

Smoke density test report dated 20.06.2013, witnessed by BV' Surveyor.

Test report N° 60015284, dated 12.01.2018, witnessed by BV' Surveyor.

Test report N° 60032687, dated 24.05.2018, witnessed by BV' Surveyor.

#### **Draka Comteq:**

Mechanical test report dated 16.11.2009.

#### **Draka Communication:**

Flame retardant test report according to IEC 60332-3-22 (Cat.A), dated 20.10.2011

### 4. APPLICATION / LIMITATION:

BUREAU VERITAS Rules and Regulations for the Classification of Steel Ships.



**5. PRODUCTION SURVEY REQUIREMENTS:**

5.1 - The NETWORK COMMUNICATION SYSTEMS are to be supplied by **Sohome AS** in compliance with the type described in this certificate.

5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.

5.3 - **Sohome AS** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.

5.4 - For information, **Sohome AS** has declared to Bureau Veritas the following production site(s):

**Draka Comteq Germany GmbH & Co. KG**  
**Wohlauer Str. 15,**  
**D-90457 Germany**  
**GERMANY**

**6. MARKING OF PRODUCT:**

The cable shall be marked on the surface outer sheath, in a durable legible and visible manner, with the following information through the length of cable:

- 1) - Voltage grade.
- 2) - Cable symbol and temperature class.
- 3) - Number of conductors and conductor size.
- 4) - Applicable standard(s) to flame retardant and fire resistance if any
- 5) - Manufacturer's name or trade mark.
- 6) - Year of manufacture.

**7. OTHERS:**

7.1 - It is **Sohome AS's** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

7.2 - This certificate supersedes the Type Approval Certificate N° 34693/A0 BV issued on 04 Nov 2013 by the Society.

\*\*\* END OF CERTIFICATE \*\*\*