

TYPE APPROVAL CERTIFICATE

Certificate No: **TAE0000008**Revision No: 3

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That the Electrical Equipment

with type designation(s)

Connector Cat 6A/EA BC-11-004, Connector Cat 6A STP BC-11-006

Issued to

Sohome AS

Søreidgrend, Norway

is found to comply with

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

Application:

Connector tested up to category 6A/EA (500MHz).

Products approved by this certificate are accepted for installation on all vessels classed by DNV.

Type Temperature Humidity Vibration

Connector Cat 6A/EA BC-11-004 Connector Cat 6A STP BC-11-006

Issued at Høvik on 2023-01-24

This Certificate is valid until 2027-09-27.

DNV local unit: Bergen

Approval Engineer: Ivar Bull

Frederik Tore Elter Head of Section

for **DNV**

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.



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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: **262.1-010028-11** Certificate No: **TAE0000008**

Revision No: 3

Product description

Connector type BC-11-001 or BC -11-101 or BC-11-004 or BC-11-006

RJ45 P/N 2623 Screened solid wire

Class; E_A (equal to cat. 6_A)

Frequency 500MHz Ethernet speed ≤10GB

Characteristic impedance

 $\begin{array}{lll} \text{1-100MHz} & & (100 \pm 5) \ \Omega \\ \text{100-250MHz} & & (100 \pm 10) \ \Omega \\ \text{250-500MHz} & & (100 \pm 15) \ \Omega \end{array}$

Manufacturer place

DNV ld no: 1090506

Application/Limitation

Manufacturers installation instructions to be followed.

Type Approval documentation

Tests carried out

Standard	Release	General description	Limitation
ISO/IEC 11801	2017-11	Information technology – Generic cabling for customer premises	Tested for characteristics up to category E_A (500MHz) as added in Amd. 2
IEC 60603-7-51	2010-04	Connectors for electronic equipment - Part 7-51: Detail specification for 8-way, shielded, free and fixed connectors, for data transmissions with frequencies up to 500 MHz	

Marking of product

Bergen Cabling - BC-11-001 or BC-11-101 or BC 11-004 or BC 11-006 Cat.6A Screened connector

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 shall 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

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