

# TYPE APPROVAL CERTIFICATE

**This is to certify:****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 GL 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 GL.****Type****Connector Cat 6A/EA BC-11-004****Connector Cat 6A STP BC-11-006****Temperature Humidity Vibration**Issued at **Høvik** on **2019-11-12**This Certificate is valid until **2022-09-28**.DNV GL local station: **Essen**Approval Engineer: **Ivar Bull**for **DNV GL**

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**Trond Sjøvåg**  
**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: **262.1-010028-7**  
Certificate No: **TAE0000008**  
Revision No: **2**

## Product description

Connector type BC-11-001 or BC -10-003 or BC-11-004 or BC-11-006  
RJ45 P/N 2623 Screened solid wire  
Class; E<sub>A</sub> (equal to cat. 6<sub>A</sub>)  
Frequency 500MHz  
Ethernet speed ≤10GB

### Characteristic impedance

1-100MHz (100 ± 5) Ω  
100-250MHz (100 ± 10) Ω  
250-500MHz (100 ± 15) Ω

## Manufacturer place

DNV GL Ref 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 <sub>A</sub> (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	

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## **Marking of product**

Bergen Cabling - BC-10-003 or BC-11-001 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.