

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Electrical Equipment**

with type designation(s)
Connector cat 6A/EA

Issued to

Sohome AS
Bergen, Norway

is found to comply with

Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards
ISO/IEC 11801 (2010)
IEC 60603-7-51 (2010)

Application :

Connector tested up to category 6A/EA (500MHz). To be installed according to the manufacturers installation recommendation.

Temperature
Humidity
Vibration

This Certificate is valid until **2019-07-07**.

Issued at **Høvik** on **2015-07-08**

for **DNV GL**

DNV GL local station: **Essen**

Approval Engineer: **Ludovico Gullifa**

Marit Laumann
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: **262.1-010028-5**
Certificate No: **TAE0000008**

Product description

Connector type BC-11-001 or BC -10-003 or BC-11-004
RJ45 P/N 2623 Screened solid wire
Class; E_A (equal to cat. 6_A)
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	2010-04	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	

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Marking of product

Bergen Cabling - BC-10-003 or BC-11-001 or BC 11-004 Cat.6A Screened connector

Periodical assessment

The scope of the periodical assessments to verify that the conditions stipulated for the Type approval is 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 Production Sample Tests (PST) and Routines (RT) checked (if not available tests according to PST and 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.

Assessment to be performed at least every second year.

END OF CERTIFICATE