



Certificate no.:
TAE00004VW

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Termination and Joint for Cable

with type designation(s)

**Shear bolt termination lug B10-ACXX/10H50 for 50 mm² aluminum power cable. Bolt size M10.,
Shear bolt termination lug B10-ACXX/12H50 for 50 mm² aluminum power cable. Bolt size M12.,
Shear bolt termination lug B10-ACXX/10H95 for 70/95 mm² aluminum power cable. Bolt size M10.,
Shear bolt termination lug B10-ACXX/12H95 for 70/95 mm² aluminum power cable. Bolt size M12.,
Shear bolt termination lug B10-ACXX/10H150 for 120/150 mm² aluminum power cable. Bolt size M10.,
Shear bolt termination lug B10-ACXX/12H150 for 120/150 mm² aluminum power cable. Bolt size M12.**

issued to

**TriCab (Australia) Pty Ltd
PORT MELBOURNE, VICTORIA, Australia**

is found to comply with

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

Application:

Special terminations for Aluminum power cables.

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

Issued at **Høvik** on **2026-01-15**

This Certificate is valid until **2031-01-14**.

for **DNV**

DNV local unit: **Australia**

Approval Engineer: **Ivar Bull**

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 USD 300 000.

Product description

B10 cable lugs made of Aluminium Alloy. Electrolytic tin-plated.
Lugs are delivered with conductive grease pre-applied on barrel internal surface.

Approval covers conductor cross sections: 50 mm², 70 mm², 95 mm², 120 mm² and 150 mm².

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Shear bolt termination lug B10-ACXX/12H95 for 70/95 mm² aluminum power cable. Bolt size M12
Shear bolt termination lug B10-ACXX/10H150 for 120/150 mm² aluminum power cable. Bolt size M10
Shear bolt termination lug B10-ACXX/12H150 for 120/150 mm² aluminum power cable. Bolt size M12

Application/Limitation

Cable lugs approved for Tricab type approved aluminum cables with the following certificate numbers:

BVA/BVC unarmoured shipboard cables, DNV type approval: **TAE00004VX**
DVA/DVC armoured shipboard cables, DNV type approval: **TAE00004VY**
PJA/PJC armoured offshore cables, DNV type approval: **TAE000056N**
UP switchboard wires, DNV type approval: **TAE00004VZ**

Terminations shall be installed by competent persons according to Tricab Installation guide.

To prevent ingress of moisture, heat shrink tubing with melt glue shall cover complete termination barrel and minimum length 50mm over cable sheath

Type Approval documentation

Tests carried out

	Release	General description	Limitation
DNV-CP-0409	2021-09	Terminal lugs for LV power cables with aluminum conductors	
IEC 61238-1-1	2019-09	Compression and mechanical connectors for power cables - Part 1-1: Test methods and requirements for compression and mechanical connectors for power cables for rated voltages up to 1 kV (Um = 1,2 kV) tested on non-insulated conductors	Short circuit test Class A. Pull out force class 1: 40N x Cross sectional Area
DNV-CG-0339	2021-08	Environmental test specification for electrical, electronic and programmable equipment and systems	Relevant part as per CP-0409 table 1

Marking of product

Type designation and cross-sectional area.

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.



Job ID: **262.1-029724-1**
Certificate no.: **TAE00004VW**

Manufactured by:
DNV ID: 10814763

END OF CERTIFICATE