

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Ladder

with type designation(s)
EZSC, EZSF

Issued to

EzyStrut Cable & Pipe Supports
Adelaide SA, Australia

is found to comply with
DNV GL rules for classification – Ships and offshore units

Application :

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

This Certificate is valid until **2021-06-06**.

Issued at **Høvik** on **2016-06-07**

DNV GL local station: **Melbourne**

Approval Engineer: **Marta Alonso Pontes**

for **DNV GL**

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.

Product description

Cable ladders EZSC and EZSF

Widths [mm] : 150, 200, 300, 350, 400, 450, 500, 600, 750 and 900
Standard length [m]: 3

EZSC Classification according to IEC 61537:

6.1 Material:	Metallic
6.2 Flame propagation:	Non-flame propagating system
6.3 Electrical continuity:	With electrical continuity characteristics
6.4 Electrical conductivity	Electrical conductive
6.5 Resistance against corrosion:	Class 9B (stainless steel)
6.6 Temperature:	-10°C to 32°C
6.7 Perforation in the base area:	N/A
6.8 Free base area:	Classification Y
6.9 Impact resistance	50J at -10°C

EZSF Classification according to IEC 61537:

6.1 Material:	Metallic
6.2 Flame propagation:	Non-flame propagating system
6.3 Electrical continuity:	With electrical continuity characteristics
6.4 Electrical conductivity	Electrical conductive
6.5 Resistance against corrosion:	Class 6 (hot dip galvanized)
6.6 Temperature:	-10°C to 120°C
6.7 Perforation in the base area:	N/A
6.8 Free base area:	Classification Y
6.9 Impact resistance	50J at -10°C

Application/Limitation

The installation is to be mechanically protected in accordance with DNV GL.
Cable ladders must not be used as a walkway.

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 61537.

Marking of product

Manufacturer – Type designation – Type – Width – Height – Length – Lot no.

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 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