



Certificate no.:
TAE0000521

TYPE APPROVAL CERTIFICATE

This is to certify:

that the Cable Tray

with type designation(s)
OTA, OTB

issued to

Suzhou Ontop Mechanical & Electrical Equipment Co., Ltd.
Suzhou, China

is found to comply with

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

Application:

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

Material **Metallic**
Suitable for open deck **Yes**

Issued at **Hamburg** on **2025-04-29**

This Certificate is valid until **2030-04-28**.

for **DNV**

DNV local unit: **Shanghai**

Approval Engineer: **Carsten Hunsalz**

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

Cable Tray type OTA

Widths [mm]: 300, 600, 900
Height [mm]: 50, 100, 150
Thickness[mm]: 1.5; 2; 2.5
Standard length [m] : 3, 6

OTA Stainless steel 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 9D (stainless steel)
6.6 Temperature:	-40°C to 120°C
6.7 Perforation in the base area:	N/A
6.8 Free base area:	Classification B
6.9 Impact resistance	30J at -52°C

OTA Hot Dip Galvanized Carbon steel 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 6/7/8 9D (hot dip galvanized)
6.6 Temperature:	-40°C to 120°C
6.7 Perforation in the base area:	N/A
6.8 Free base area:	Classification B
6.9 Impact resistance	30J at -52°C

Cable Tray type OTB

Widths [mm]: 300, 600, 900
Height [mm]: 50, 100, 150
Thickness[mm]: 1.5; 2; 2.5
Standard length [m] : 3, 6

OTB Stainless steel 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 9D (stainless steel)
6.6 Temperature:	-40°C to 120°C
6.7 Perforation in the base area:	N/A
6.8 Free base area:	Classification B
6.9 Impact resistance	30J at -52°C

OTB Hot Dip Galvanized Carbon steel 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 6/7/8 9D (hot dip galvanized)
6.6 Temperature:	-40°C to 120°C
6.7 Perforation in the base area:	N/A
6.8 Free base area:	Classification B
6.9 Impact resistance	30J at -52°C

Application/Limitation

To be installed in accordance with the manufacturer's instructions and DNV rules.

Suitable for open deck

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 61537:2023

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.

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