Certificate No:
TAE00000FE

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Tray

with type designation(s)
X-TRAY

Issued to
Axelent Wire Tray AB
Hillerstorp, Sweden

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and Det Norske Veritas' Offshore Standards

Application :

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

This Certificate is valid until **2019-06-30**.

Issued at **Høvik** on **2015-09-15**

for **DNV GL**

DNV GL local station: **Gothenburg**

Approval Engineer: **Børre Dan Knutsen**

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.

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Job Id: **262.1-012700-2**
Certificate No: **TAE00000FE**

Product description

Cable wire trays for marine applications with accessories.

Classification according to:	IEC 61537 Class
6.1 Material	Metallic
6.2 Resistant to Flame Propagation	Non Flame Propagation
6.3 Electrical Continuity Characteristics	With Electrical Continuity Characteristics
6.4 Electrical Conductivity	Electrical Conductivity Characteristics
6.5 Resistance Against Corrosion	1, 7, 9A & 9D in accordance with IEC 61537 table 1
6.6.1 Minimum Temperature	- 20 ºC (SS 316L – 50)
6.6.2 Maximum Temperature	+90 ºC
6.8 Free Base Area	Z > 90% Ref. IEC61537 table 5
6.9 Impact resistance	Up to 50 J

Type:X-TRAY Standard Wire Tray

Article	Article no.
75/4x55	4m99-0754
75/5x57	0m99-0755
60x60	0m01
120x60	0m11
220x60	0m21
320x60	0m31
420x60	0m41
520x60	0m51
620X60	0m61
120x110	0m12
220x110	0m22
320x110	0m32
420x110	0m42
520x110	0m52
620x110	0m62

Material m:
m=1 for Zinc Plated
m=2 for Hot Dip Galvanized
m=3 for Stainless Steel 316L
m=4 for Stainless Steel 304 L

Type: X-tray C-Wire Tray

Article	Article no.
120x800	1m21
220x120	1m22

Type X-tray G-Wire Tray

Article	Article no.
100x60	1m11
150x120	1m12

Application/Limitation

The cable tray systems have to be installed in accordance with the producer's loading table for the mentioned type.

The installation is to be mechanical protected in accordance with our Rules and especially on weather decks in cargo hold areas and through cargo holds.

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 61537.

Marking of product

X-TRAY and type designation.

Periodical assessment

The scope of the periodical assessment is 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 periodical 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 to be performed at least every second year.

END OF CERTIFICATE