

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Cable Ties**with type designation(s)
SSTxxxX..., SSFCTBxxxX...

Issued to

HellermannTyton Pte Ltd
Singapore, Singapore

is found to comply with

DNV GL 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 GL.****Material** **Metallic or Composite**
Suitable for open deck **Yes**Issued at **Hamburg** on **2020-10-08**for **DNV GL**This Certificate is valid until **2025-10-07**.DNV GL local station: **Certification of Materials - Singapore**Approval Engineer: **Harald Amberger**

Arne Schaarmann
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.

LEGAL DISCLAIMER: Unless otherwise stated in the applicable contract with the holder of this document, or following from mandatory law, the liability of DNV GL AS, its parent companies and subsidiaries as well as their officers, directors and employees ("DNV GL") 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 300,000 USD.



Product description

Cable Ties of stainless steel 304 / 316 with or without Epoxy or PVC coating.

Type	Coating	Dimension(mm)			Declared Tensile(N)	Min & Max Operating Temperature
		T	W	L		
SSFCTBxxxX...	Epoxy	0.35 - 0.45	4.6 - 15.9	100 - 800	710 - 3000	-40 to 85 °C
SSTxxxX...	None	0.26 - 0.35	3.8 - 15.9	100 - 800	600 - 4100	-60 to 150 °C

Application/Limitation

For fixing of cables, outdoor and indoor, onboard ships and mobile offshore units.

To be installed according with the manufacturer`s instructions and DNV GL rules.

Type Approval documentation

As per tech.-docs. in NPS 262.1-009698-5/6

Tests carried out

Loop Tensile Strength, UV resistance and corrosion tests in accordance with IEC 62275.

Marking of product

The smallest package is to be marked with the following:

- Manufacturer's name / trade mark & catalogue type designation
- Manufacturer's rated load (tensile strength) as per catalogue
- Dimensions
- Type of product
- Maximum bundle diameter
- Temperature conditions

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