

TYPE APPROVAL CERTIFICATE

This is to certify:**That the Cable Ties**

with type designation(s)
MBT, 316 Stainless Steel

Issued to

HELLERMANNTYTON LIMITED
MANCHESTER, United Kingdom

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft
IEC 62275 (2006-10)

Application :

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

Material 316 Stainless Steel
Suitable for open deck Yes

Issued at **Høvik** on **2018-10-09**

This Certificate is valid until **2022-06-30**.

DNV GL local station: **Manchester**

for **DNV GL**

Approval Engineer: **Nicolay Horn**

Marta Alonso Pontes
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.



Job Id: **262.1-001013-6**
Certificate No: **TAE00002YZ**

Product description

Type: MBT X S.....Standard Locking Cable Tie, 316 Stainless Steel
MBT X H.....Heavy Duty Locking Cable Tie, 316 Stainless Steel

TYPE	Length mm	Width mm	TYPE	Length mm	Width mm
MBT5S	127	4,6	MBT8H	201	7,9
MBT8S	201	4,6	MBT14H	362	7,9
MBT14S	362	4,6	MBT20H	521	7,9
MBT20S	521	4,6	MBT27H	681	7,9
MBT27S	681	4,6	MBT33H	838	7,9
MBT33S	838	4,6			

Loop tensile strength, 4.6mm width	900 N
Loop tensile strength, 7.9mm width	1700 N
Max. tested operating temperature	553 °C
Contribution to fire	Non-flame propagating
Resistance to UV light	Resistant
Resistance to corrosion	Resistant

Type Approval documentation

Tests carried out

Type tests in accordance with IEC 62275 Ed.1 (2006) including installation test, loop tensile strength test, vibration test.

Marking of product

Each package of products to be marked with type designation, date of manufacture and batch number.

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 survey are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routines (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.

Survey to be performed at 1.5 and 3 years and at renewal.

END OF CERTIFICATE