

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Ties

with type designation(s)

MBT .. S, MBT .. SS, MBT .. HS, MBT .. XHS, MBT .. H, MBT .. XH

Issued to

Hellermannntyton (Wuxi) Electrical Accessories Co., Ltd.
Wuxi, China

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.

Type	Material	Suitable for open deck
MBT .. S	Stainless Steel	Yes
MBT .. SS	Stainless Steel	Yes
MBT .. HS	Stainless Steel	Yes
MBT .. XHS	Stainless Steel	Yes
MBT .. H	Stainless Steel	Yes
MBT .. XH	Stainless Steel	Yes

Issued at **Hamburg** on **2021-06-01**

This Certificate is valid until **2026-05-31**.

for **DNV**

DNV local station: **Jiangyin NB & CMC**

Approval Engineer: **Maik Gagern**

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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 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 300,000 USD.



Product description

Stainless Steel Locking Cable Ties

Type	Length (mm)	Width (mm)
MBT5S	127	4.6
MBT8S	201	4.6
MBT11S	285	4.6
MBT12S	300	4.6
MBT14S	362	4.6
MBT20S	521	4.6
MBT27S	681	4.6
MBT33S	838	4.6
MBT5SS	127	4.9
MBT8SS	201	4.9
MBT11SS	285	4.9
MBT12SS	300	4.9
MBT14SS	362	4.9
MBT20SS	521	4.9
MBT27SS	681	4.9
MBT33SS	838	4.9
MBT48SS	1219	4.9
MBT8HS	201	7.9
MBT12HS	300	7.9
MBT14HS	362	7.9
MBT20HS	521	7.9
MBT27HS	681	7.9
MBT33HS	838	7.9
MBT14XHS	362	12.3
MBT20XHS	521	12.3
MBT27XHS	681	12.3
MBT33XHS	838	12.3
MBT8H	201	7.9
MBT12H	300	7.9
MBT14H	362	7.9
MBT20H	521	7.9
MBT27H	681	7.9
MBT33H	838	7.9
MBT43H	1092	7.9

Type	Length (mm)	Width (mm)
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MBT14XH	362	12.3
MBT20XH	521	12.3
MBT27XH	681	12.3
MBT33XH	838	12.3
MBT43XH	1092	12.3
MBT49XH	1245	12.3

Loop tensile strength, 4.6 mm	900 N
Loop tensile strength, 7.9 mm	2000 N
Loop tensile strength, 12.3 mm	2700 N
Contribution to fire	Non-flame propagating
Resistance to UV light	Resistant
Resistance to corrosion	Resistant

Application/Limitation

For fixing of cables, outdoor and indoor, on board ships and mobile offshore units.
To be installed according to the manufacturer's instructions and applicable DNV GL rules.

Type Approval documentation

Tests carried out

Acc. to Class Programme DNVGL-CP-0407, Edition February 2016

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 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