

TYPE APPROVAL CERTIFICATE

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

with type designation(s)

Series "T", "LK", "KR", Series "RLT"

Issued to

**Hellermann Tyton GmbH
Tornesch, Schleswig-Holstein, Germany**

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.**

Type	Material	Suitable for open deck
Series "T", "LK", "KR"	Plastic	See Page 2
Series "RLT"	Plastic	See Page 2

Issued at **Hamburg** on **2020-02-01**This Certificate is valid until **2025-01-31**.for **DNV GL**DNV GL local station: **Hamburg 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 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 for bundling cables and insulated wires manufactured from Polyamide 6.6 (natural) or Polyamide 6.6 (black)
Polyamide 6.6 UV stabilized (black): Type-addition "W"

Temperature range: -40°C to +85°C

1. Standard cable ties

T18L, T18I, T18S, T18R, T25L, T25LL, T30R, T30L, T30LL, T40R, T40L, T50S, T50R, T50I, T50L, T60R, T60S, T80R, T80I, T80L, T120S, T120R, T120M, T150R, T50M, T120I, T120L, T150M, T150L

LK2, LK5

KR6/18, KR6/35, KR8/21, KR8/33

2. Releasable cable ties

RLT120, RLT150

Application/Limitation

Instructions of the manufacturer are to be observed.

Type Approval documentation

Tests carried out

DNV GL Class Guideline DNVGL-CG-0339, Edition Dec. 2019
EN 50149:1999, IEC 62275:2006

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
- 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.

Place of Production:

Hellermann Tyton GmbH
Großer Moorweg 45
25436 Tornesch



Job Id: **262.1-031850-1**
Certificate No: **TAE00003Y2**

Germany

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United Kindom

END OF CERTIFICATE