



Certificate No:
TAE00004HG

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Cable Ties

with type designation(s)

Cable tie UNF.2.X36X, Cable tie UNF.3.X36X, Cable tie URL.2.X36X, Cable tie URL.3.X36X

Issued to

**UNIFY KABLO BAGLANTI ELEMANLARI TICARET VE SANAYI ANONIM
SIRKETI**

KOCAELI, Turkey

is found to comply with

DNV rules for classification – Ships, offshore units, and high speed and light craft

Application :

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

Type	Material	Suitable for open deck
Cable tie UNF.2.X36X	Plastic	No
Cable tie UNF.3.X36X	Plastic	No
Cable tie URL.2.X36X	Plastic	No
Cable tie URL.3.X36X	Plastic	No

Issued at **Høvik** on **2022-10-07**

This Certificate is valid until **2027-10-06**.

for **DNV**

DNV local station: **Istanbul**

Approval Engineer: **Ivar Bull**

Frederik Tore Elter
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.



Form code: TA 251

Revision: 2021-03

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Product description

Type	Dimension(mm)			Declared Tensile (N)	Min to Max Installation Temperature
	T	W	L		
UNF.2.X36X	1,85	7,5	360	460	-40 to 60 °C
UNF.3.X36X	1,85	7,5	360	460	-40 to 60 °C
URL.2.X36X	1,6	7,5	360	360	-40 to 60 °C
URL.3.X36X	1,6	7,5	360	360	-40 to 60 °C

Classification according to IEC 62275

6.1 Material	Non-metallic
6.2 Loop tensile strength for cable ties	360 N
6.2.2 Type 2	Retains 100 % declared loop tensile strength after test conditions?
6.3.1 Maximum operating temperature for application	60°C
6.3.2 Minimum operating temperature for application	-40°C
6.3.2 Minimum temperature during installation	-45°C
6.4 Contribution to fire	Non-flame propagating
6.5 Environmental influences	Resistant to corrosion

Application/Limitation

Cable ties for use inside ships and mobile offshore installations. Not suitable for use on open deck.

Type Approval documentation

Tests carried out

According to IEC 62275. Loop Tensile Strength, Installation and operation temperature tests.

Marking of product

Company name, Type designation and Dimension

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 assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routines (RT) checked (if not available tests 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 2 and 3.5 year and at renewal. END OF CERTIFICATE