



Certificate no.:
TAK00002GB

TYPE APPROVAL CERTIFICATE

This is to certify:

that the **Synthetic Fibre Ropes**

with type designation(s)
8-strand and 12-strand polypropylene/polyester ropes

issued to

Yangzhou Xinglun Rope Cable Co., Ltd.
Yangzhou, Jiangsu Province, China

is found to comply with

OCIMF Mooring Equipment Guidelines (MEG4), Fourth Edition 2018 [test requirements]
DNV class programme DNV-CP-0100 – Type approval – Synthetic fibre ropes for towing, mooring and anchoring

Application:

Mooring and towing of ships.

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV.

Issued at **Hamburg** on **2025-05-08**

This Certificate is valid until **2030-05-07**.

for **DNV**

DNV local unit: **Nanjing NB & CMC**

Approval Engineer: **Joachim Rehbein**

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

Polypropylene/ polyester dual fibre ropes: 8-strand / 12-strand braided polypropylene/ polyester mixed fibre ropes.

- Specific gravity: 0,97 (floats in seawater)

Compliance with OCIMF Mooring Equipment Guidelines (MEG4):

Mooring Line Base Design Certificate – for 8-strand polypropylene/ polyester mixed fibre ropes 40 mm and 96 mm

Certificate No.: XLR20240801

Issued date: 2025-03-19

Mooring Line Base Design Certificate – for 12-strand polypropylene/ polyester mixed fibre ropes 40 mm and 96 mm

Certificate No.: XLR20240802

Issued date: 2025-03-19

Mooring Line Certificate will be issued with reference to Mooring Line Base Design Certificate.

Rope Characteristics

The rope characteristics are tabulated below observing the following:

- Ropes to be delivered with a linear density $\pm 5\%$ of the nominal load bearing linear density given in the below table.
- Load bearing linear density is tabulated below.
- The line design break force values are given for the spliced ropes.

Diameter	8-strand braided		12-strand braided	
	Load bearing linear density	Line design break force	Load bearing linear density	Line design break force
[mm]	[ktex]	[KN]	[ktex]	[KN]
40	776	231	776	231
44	939	277	939	277
48	1110	328	1110	328
52	1320	382	1320	382
56	1520	440	1520	440
60	1750	502	1750	502
64	1990	568	1990	568
68	2250	636	2250	636
72	2520	710	2520	710
80	3110	867	3110	867
88	3750	1040	3750	1040
96	4470	1230	4470	1230

The data in the table is provided by manufacturer.

Application/Limitation

The OCIMF MEG4 approval range covers ropes with diameter from 40 mm to and including 96 mm.

Type Approval documentation

Tests carried out

Type Testing carried out in accordance with Type Approval documentation, and according to:

- OCIMF's Mooring Equipment Guidelines (MEG4) [requirements to testing].
- DNV-CP-0100.

The fibre ropes are manufactured in accordance with:

- ISO 10556:2009.

Marking of product

Product shall be marked with *manufacturer's name*: **Yangzhou Xinglun Rope Cable Co., Ltd., China**, *type designation*, *diameter*, *product code* and *strength*.

The marking is to be carried out in such a way that it is visible, legible and indelible. The marking of product is to enable traceability to the DNV Type Approval Certificate.

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.

Periodical assessments (for Certificate Retention / Certificate Renewal) shall be performed according to DNV-CP-0338.



Job ID: **262.1-041014-1**
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This certificate is only valid if required periodical assessments are carried out with satisfactory results. To check the validity of this certificate, please look it up in <https://approvalfinder.dnv.com>

END OF CERTIFICATE