



# EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate No:  
**MEDB00003VY**  
Revision No:  
**2**

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

## This is to certify:

**That the Firefighters outfit - lifeline**

with type designation(s)  
**Lifeline, type HYN-2**

Issued to

**Jiangsu Huayan Marine Equipment Co., Ltd.**  
**Jiangsu, China**

is found to comply with the requirements in the following Regulations/Standards:

Regulation (EU) 2022/1157,  
item No. MED/3.44. SOLAS 74 as amended Regulation II-2/10 & X/3, 2000 HSC Code 7 and FSS Code 3

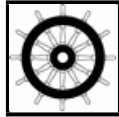
Further details of the equipment and conditions for certification are given overleaf.

This Certificate is valid until **2028-05-30**.

Issued at **Hamburg** on **2023-05-31**

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

Approval Engineer:  
**Helge Bjørnarå**



Notified Body  
No.: **0098**

for **DNV GL SE**

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**Christine Mydlak-Roeder**  
**Head of Notified Body**

The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body. The product liability rests with the manufacturer or his representative in accordance with Directive 2014/90/EU.

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform DNV GL SE of any changes to the approved equipment. This certificate remains valid unless suspended, withdrawn, recalled or cancelled.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.

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

"Lifeline, type HYN-2" is a lifeline for fire-fighter's outfit used in connection with a self-contained breathing apparatus. It consists of a stainless steel wire rope of 4 mm diameter. With the PVC cover the outer diameter is 5 mm. Both ends are fitted with press sleeves, thimbles and snap-hooks.

For further details please see the documents under Type Examination documentation.

### Application/Limitation

Approved for use as fireproof lifeline for use with fire-fighter's outfit.

Each product is to be supplied with its manual for installation, use and maintenance.

### Type Examination documentation

Test report Life Line (HYN-2) Type Inspection Report dated 24 June 2008 issued by surveyor.

Test Report No.2019164 dated 14 November 2019 from CCS Wuhan Rules and Research Institute, Testing Center of Marine Life-Saving Appliances, China.

Data Sheet: Quality certificate for wire rope manufactured by Jiangsu Fasten Steel Cord Co.,Ltd.

Drawing "Lifeline Assembly" V5.0 dated 7 April 2020 from maker.

### Tests carried out

Tested according to IMO FSS Code Ch.3.2.1.3 and satisfying ISO 23269-2:2011.

### Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, the MED mark of Conformity, Notified Body No. and the year of manufacturing.