

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Certificate no.:
MEDB0000BSG
Revision no.:
0

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED), issued as "Forskrift om Skipsutstyr" by the Norwegian Maritime Authority. This Certificate is issued by DNV AS under the authority of the Government of Norway.

This is to certify:

that the **Penetrations through 'A' class divisions: - electric cable transits**

with type designation(s)
HK-25/26-A0 and A60 Class Cable Transits

issued to

Shanghai Huoke New Material Co., Ltd.
Shanghai, China

is found to comply with the Implementing Regulation (EU) 2025/1533 for
Item no. **MED/3.26a** (Row **1 of 1**)
according to the following requirements:
SOLAS 74 Reg. II-2/9, IMO Res. MSC.1/Circ.1655

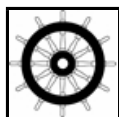
Further details of the equipment and conditions for certification are given overleaf.

Date of issue: **2026-02-13**

Expiry date: **2031-02-12**

DNV local unit:
Shanghai

Approval Engineer:
Katarzyna Baczewska



for **DNV AS**

Notified Body
no.: **0575**

Christine Mydlak-Röder
Head of Notified Body

A U.S. Coast Guard approval number will be assigned to the equipment when the production module has been completed and will appear on the production module certificate (module D, E or F), as allowed by the Agreement between the United States of America and the EEA EFTA states on the mutual recognition of Certificates of Conformity for Marine Equipment signed 17 October 2005, and amended by Decision No 1/2023 dated August 21st, 2023.



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 AS 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 This certificate remains valid unless suspended, withdrawn, recalled or cancelled.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 USD 300 000.

Product description

“HK-25/26 - A0 and A60 Class Cable Transits”

is a cable transit system composed of rectangular or circular steel sleeve welded symmetrically to the division. The sleeve is filled with HK-26 ultralight sealing compound and sealed with 20 mm thick HK-25 firestop sealing putty at both ends for bulkheads and underside for decks.

In addition to cable(s), the rectangular cable transit may be equipped with the retrofit cable transit module HK-ONE. This module is 200 mm long and available in two sizes: 40 mm and 70 mm. The smaller HK-ONE module can accommodate a single cable with a diameter ranging from 0 mm to 25 mm, while the larger module supports cables from 0 mm to 50 mm in diameter. To ensure proper fire protection, both ends of the HK-ONE module must be sealed using HK-M intumescent firestop sealant after cable installation.

Application/Limitation

Approved for use as multi cable penetration system in A-0 and A-60 steel bulkheads and decks for approved ship cable as specified in the Appendix. Other applications are subject to case-by-case approval.

Class A-15 and A-30 shall be insulated as for A-60 and the division is to be fitted with A-60 insulation for a minimum distance of 200 mm around the penetration.

The insulation material used has to be approved according to the Marine Equipment Regulation and bear the Mark of Conformity.

Minimum distance between cables and between cable and sleeve is 3 mm.

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

Please see Appendix: Application/Limitation

Type Examination documentation

Tests carried out

Tested according to IMO 2010 FTP Code Part 3.

Marking of product

The product or packing is to be marked with name and address of manufacturer, type designation, fire-technical rating, Mark of Conformity and USCG approval number if applicable (see first page).

APPENDIX

Application/Limitation

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Table 1 Approved cable transit in A-60 steel bulkhead.

Type	Sleeve size [mm]	Max. cable diameter (OD) [mm]	Filling ratio [%]	Sleeve length [mm]	Sleeve thickness [mm]	Sleeve position	Transit insulation
HK-25/26/A60/C	156x106 – 1006x356	94	0 – 40	140	3	Symmetric	Partially insulated
HK-25/26/A60/C	Ø32 – Ø300	50	0 – 40	140	3	Symmetric	Partially insulated

Table 2 Approved cable transit in A-60 steel deck.

Type	Sleeve size [mm]	Max. cable diameter (OD) [mm]	Filling ratio [%]	Sleeve length [mm]	Sleeve thickness [mm]	Sleeve position	Transit insulation
HK-25/26/A60/J	156x106 – 1006x356	94	0 – 40	120	3	Symmetric	Partially insulated
HK-25/26/A60/J	Ø32 – Ø300	50	0 – 40	120	3	Symmetric	Partially insulated

Table 3 Approved cable transit in A-0 steel bulkhead.

Type	Sleeve size [mm]	Max. cable diameter (OD) [mm]	Filling ratio [%]	Sleeve length [mm]	Sleeve thickness [mm]	Sleeve position	Transit insulation
HK-25/26/A0/C	156x106 – 1006x356	94	0 – 40	140	3	Symmetric	None
HK-25/26/A0/C	Ø32 – Ø300	50	0 – 40	140	3	Symmetric	None

Table 4 Approved cable transit in A-0 steel deck.

Type	Sleeve size [mm]	Max. cable diameter (OD) [mm]	Filling ratio [%]	Sleeve length [mm]	Sleeve thickness [mm]	Sleeve position	Transit insulation
HK-25/26/A0/J	156x106 – 1006x356	94	0 – 40	120	3	Symmetric	None
HK-25/26/A0/J	Ø32 – Ø300	50	0 – 40	120	3	Symmetric	None



APPENDIX

Other

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Additional application/information for watertightness/gastightness (Not part of the Marine Equipment Directive requirement)

Product description

"HK-25/26 - A0 and A60 Class Cable Transits"

is a cable transit system composed of rectangular or circular steel sleeve welded symmetrically to the division. The sleeve is filled with HK-26 ultralight sealing compound and sealed with 20 mm thick HK-25 firestop sealing putty at both ends for bulkheads and underside for decks.

In addition to cable(s), the rectangular cable transit may be equipped with the retrofit cable transit module HK-ONE. This module is 200 mm long and available in two sizes: 40 mm and 70 mm. The smaller HK-ONE module can accommodate a single cable with a diameter ranging from 0 mm to 25 mm, while the larger module supports cables from 0 mm to 50 mm in diameter. To ensure proper fire protection, both ends of the HK-ONE module must be sealed using HK-M intumescent firestop sealant after cable installation.

Application/Limitation

Approved for water tightness up to a design pressure of 2 bar.

Approved for air tightness up to a design pressure of 0.67 bar.

Penetration systems shall not be used for penetrating boundaries of tanks.

Type Approval documentation

Tightness test report no. WT/AT-2025-0826 dated 26 August 2025 from manufacturer.

Tests carried out

Pressure tests with water and helium according to Class Programme DNV-CP-0165.