



EC TYPE EXAMINATION (MODULE B)

CERTIFICATE No. MED415222CS/002

This is to certify that RINA Services S.p.A. (Notified Body No. 0474) did undertake the relevant type approval procedures for the equipment identified below, which was found to be in compliance with the Fire Protection requirements of Marine Equipment Directive (MED) 2014/90/EU, including the requirements and testing standards of Regulation (EU) 2022/1157.

<i>MED Item N°</i>	MED/3.26a
<i>USCG Category N°</i>	164.138
<i>Description</i>	Penetrations through "A" Class divisions: (a) electric cable transits
<i>Type</i>	WallMax Multiple Cable Penetration Transits - WRF and WRFR6 series
<i>Applicant</i>	WALLMAX SRL CORSO DI PORTA NUOVA 22 20121 MILANO ITALY
<i>Testing standards</i>	IMO Res. MSC.307(88)-(2010 FTP Code) - IMO MSC.1/Circ. 1488
<i>Reference standards</i>	Chap. II-2 of SOLAS 74 Convention, as amended, RINA Rules for the certification of Marine Equipment

Issued in Genoa on
October 18, 2022

This Certificate is valid until
October 17, 2027

This Certificate consists of this sheet plus an attachment

Enrico Cabella
RINA Services S.p.A.

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**ATTACHMENT TO
CERTIFICATE No. MED415222CS/002**

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Manufacturer

WALLMAX INDIA ENTERPRISES PVT.LTD.

Place of Manufacturer

12/6 GOLDEN PEACOCK COMPLEX MAIN MATHURA ROAD
121003 FARIDABAD
INDIA

Product description

Transits of electric cables, having maximum diameter of 81 mm, installed in A-Class bulkheads and decks. The transits are composed of a steel frame, having thickness of 10 mm and depth of 60 mm, fillet welded, on both sides, to the bulkhead or deck plate. The transits are filled with EPDM modules and, on the upper part, one module fitted with a screw expander is installed. The interstices between the cables and the modules and between the modules, are lubricated by means of product named WallMax Lubricant. The transits are insulated, on both sides, with two layers of mineral wool type SeaRox SL 620, having, each, thickness of 60 mm and density of 100 kg/m³; the mineral wool panels, having dimensions of 400 mm in width and 600 mm (320 mm for frame type WRF 60) in length, are fixed to the bulkhead or deck plate by means of steel pins and washers welded with pitch ranging from 120 up to 200 mm. The certification is valid also for transit types WRF2, WRFD, WRFR2 and WRFR4 and for type WRFO composed of a three-side frame with the fourth side welded afterwards.

Reference documents

WallMax drawing No. 5500001001 Rev. 00 dated 28 June 2017, No. 5500002001 Rev. 00 dated 1 August 2017 and No. 7010102004 Rev. 00 dated 23 June 2017 approved on 20 September 2017, 22 September 2017 and 16 October 2017 respectively with endorsement Nos. LABS-1535, LABS-1537 and LABS-1556.

Tests carried out

Tests as per RINA Test Laboratory Reports No. 2017CS01761/3 dated 20 September 2017 and No. 2017CS01761/6 dated 22 September 2017 issued according to Appendix 1 of IMO 2010 FTPC Part 3 - A.IV Cable Transits.



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Field of application

Fire resistant A-60 Class cable transits through bulkheads and decks as per following tables:

WRF TYPE - BULKHEAD

Transit dimensions (mm)	Minimum fill %	Maximum fill %	Cables - Maximum diameter (mm)
140x118	0.08	33.4	50
140x298	0.03	39	81

WRFR6 - BULKHEAD

Transit dimensions (mm)	Minimum fill %	Maximum fill %	Cables - Maximum diameter (mm)
140x238	0.04	24.8	50
140x298	0.07	23	81

WRF TYPE - DECK

Transit dimensions (mm)	Minimum fill %	Maximum fill %	Cables - Maximum diameter (mm)
140x118	0.08	33.4	50
140x298	0.03	33.5	81

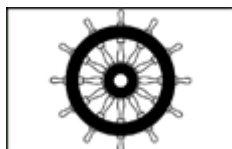
WRFR6 TYPE - DECK

Transit dimensions (mm)	Minimum fill %	Maximum fill %	Cables - Maximum diameter (mm)
140x238	0.08	23	50
140x298	0.07	22.5	81

This certificate annuls and replaces the certificate No. MED076117CS/004 dated 10/18/2017 due to renewal.

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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 control phase module (D, E or F) of Annex II of the Directive is fully complied with a written inspection agreement with a Notified Body



XXXX/YYYY

"WHEELMARK FORMAT"

XXXX Notified Body number undertaking surveillance module

YY Last two digits of year mark affixed

USCG Approval marking

This equipment is covered by the scope of the "Agreement between the European Community and the United States of America on Mutual Recognition of Certificates of Conformity for Marine Equipment signed February 27th, 2004 and amended by Decision No. 1/2018 dated February 18th, 2019 according to U.S. Coast Guard approval category **164.138**.

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 MED.

General conditions for the approval

- a) The initial conditions verified by RINA at the time of the approval are to be maintained
- b) Any changes to the initial conditions are to be promptly communicated to RINA, which reserves the right to repeat the relevant assessment
- c) This certificate will no be valid if the manufacturer makes any changes or modifications to the approved equipment, which have not been notified to, and agreed with RINA
- d) RINA personnel are to be allowed to witness during the performances of activities, upon their request
- e) The activities are to be carried out in compliance with the RINA Rules and/or other applicable Rules
- f) Should the specified regulations or standards be amended during the validity of this certificate, the product is to be reapproved prior to it being placed on board vessels to which the amended regulations or standards apply.



Enrico Cabella

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