Marine & Offshore

Certificate number: 77484/A0 BV
File number: MPA2401304
Product code: 2501H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

GENERAL CAVI s.p.a

Lavezzola Conselice (RA) - ITALY

for the type of product

CABLES (LOW VOLTAGE)

450/750V
Type: H07RN-F

Requirements:
Bureau Veritas Rules for the Classification of Steel Ships and Naval Ships.
EN 60332-1-2 (2015)
EN 50525-2-21 (2011)
IEC 60754-1 (2019), EN 60754-2 (2020)
EN 61034-2 (2020)

This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 17 Mar 2030

For Bureau Veritas Marine & Offshore,
At BV NAPOLI, on 17 Mar 2025,
Alessandro Asborno

This certificate was created electronically and is valid without signature

This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

1.1 - Technical Specification:

Rated Voltage:	450/750V
Flame Retardant:	IEC 60332-1-2
Halogen Free:	IEC 60754-1 and EN 60754-2
Smoke Density:	EN 61034-1/2

1.2 - Construction:

Conductor:	Plain annealed copper - Class 5
Insulation:	EI4
Outer sheath:	EM2

1.3 - Product Range:

Type	Number of cores	Cross-Sect. areas (mm^2)
H07RN-F	1	1.5 to 630
	2, 5	1 to 95
	3, 4	1 to 300
	7 to 12	1.5 to 4
	18 to 36	1.5 to 2.5

2. DOCUMENTS AND DRAWINGS :

Specification dated 07 Feb 2024.

3. TEST REPORTS :

IMQ:

Test report N° CN15A0477854-01, dated 07 Jul 2015.
Test reports N° 0051-CPR-0478, 0051-CPR-0479 and 0051-CPR-0481, dated 09 Jan 2017.
Test report N° CN19-0046386-01, dated 06 Dec 2019.
Test reports N° CN24-0109506-01 and CN24-0109506-02, dated 06 Dec 2024.

CSI SpA:

Test report N° 2069\DC\REA\24, dated 08 Jan 2025.

4. APPLICATION / LIMITATION :

BUREAU VERITAS Rules for the Classification of Offshore Units and Naval Ships.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The above products are to be supplied by **GENERAL CAVI s.p.a** in compliance with the type described in this certificate.
5.2 - This type of product is within the category HBV of Bureau Veritas Rule Note NR320 and as such does not require a BV product certificate.
5.3 - **GENERAL CAVI s.p.a** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR320 for HBV products.
5.4 - For information, **GENERAL CAVI s.p.a** has declared to Bureau Veritas the following production site:

GENERAL CAVI S.P.A. - Production site
Via Leonardo da Vinci 6A
44011 Argenta (FE)
ITALY

6. MARKING OF PRODUCT :

The cable shall be marked on the surface outer sheath, in a durable legible and visible manner, with the following information through the length of cable:
- Rated voltage
- Number of cores and cross-sectional area of the conductors
- Manufacturer's name or trademark
- Code designation (optional)

7. OTHERS :

It is **GENERAL CAVI s.p.a**'s responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved equipment and the conditions of this approval.

***** END OF CERTIFICATE *****