



**TYPE APPROVAL CERTIFICATE**  
No. **ELE103023CS**

**This is to certify** that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	<b>ELECTRIC CABLES</b>
<i>Type</i>	<b>FG17 450/750 V</b>
<i>Applicant</i>	<b>I.C.E.L. S.C.P.A. VIA TORRICELLI 4/6 48022 Lugo (RA) ITALY</b>
<i>Manufacturer</i>	<b>I.C.E.L. S.C.P.A.</b>
<i>Place of manufacture</i>	<b>Corso America 31/A 24040 ZINGONIA (BG) ITALY</b>
<i>Reference standards</i>	<b>RINA Rules for Classification of Ships &amp; Other Standards (see Enclosure)</b>

*Issued in* **Genoa** on **May 15, 2023**. *This Certificate is valid until* **May 15, 2028**

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**RINA Services S.p.A.**  
**Luigi Benedetti**

This certificate consists of this page and 1 enclosure

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**FG17 450/750 V**

**Components Materials**

Single core electrical cables, for internal switchboard cabling, flame retardant type, with small emission of smoke and toxic and corrosive gases, for shipboard and offshore units.

Rated voltage: 450/750 V

Type: FG 17

Marking: ICEL noSmoke ECOGAMMA FG17 450/750 V nominal cross section mm<sup>2</sup> IEMMEQU EFP production date Made in Italy (BG) Cca.s1b,d1,a1.

**Construction:**

conductor: plain annealed stranded copper (IEC 60228 Class 5)

insulation: elastomeric compound type G17

**Standards:**

In accordance to standards CEI UNEL 35310:2017-03 ; CEI EN 50575:2015 + A1:2016; CEI EN 60332-1-2; CEI 2038:2009-06; RINA Rules for Classification of Ship Part C, Ch 2, Sec. 9.

**Documents:**

Approval Certificate IMQ N. CA01.00762 dated 2020-11-24

Test Report IMQ N. CN20-0052500-01

Cable Data sheet:: ICEL Catalogue 2022 Rev. 03/01/2023, pages 130 and 131.

**REMARKS:**

Components for electric plants to be used according to the instructions given by the manufacturer.

The product is subject to the compliance with RINA Rules and Standards mentioned on the certificates

Type Approval certifies that a representative sample of the products has been found to meet the applicable design criteria

Any modification of change shall not be valid until approval is granted by RINA as a result of due assessment.

**Genoa May 15, 2023**