



**TYPE APPROVAL CERTIFICATE**  
No. ELE014823XT/001

**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>TFXI 150/250 (300)V</b>
<i>Applicant</i>	<b>BIRIKIM KABLO SAN.VE TIC.A.S AKCABURGAZ MAHALLESİ 3109 SOKAK NO.3/3 ESENYURT 34522 Istanbul TURKEY</b>
<i>Manufacturer</i>	<b>BIRIKIM KABLO SAN.VE TIC.A.S</b>
<i>Place of manufacture</i>	<b>AKCABURGAZ MAHALLESİ 3109 SOKAK NO.3/3 ESENYURT 34522 Istanbul TURKEY</b>
<i>Reference standards</i>	<b>IEC 60092-350; IEC 60092-376; RINA Rules for the Classification of Ships; RINA Rules for Testing and Certification of Marine Materials and Equipment.; IEC 60332-1; IEC 60754-1; IEC 60754-2; IEC 61034; IEC 60332-3</b>

Issued in **ISTANBUL** on **May 3, 2023**. This Certificate is valid until **May 4, 2028**



  
RINA Services S.p.A.  
Cinar Kutlar

This certificate consists of this page and 1 enclosure



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TFXI 150/250 (300)V

### Components

Used for communication and instrumentation purpose in electronic systems of marine vehicles.

Rated voltage: 150V/250 V

Type: TFXI 150/250 (300)V

Marking: Birikim Kablo "lot" 150/250 (300)V "cross-section mm<sup>2</sup>" IEC 60092/376. IEC 60332-1&3 RINA "meter marking" Made in Türkiye

### Construction:

Conductor:	Plain annealed Stranded CU wires, Class 2
Insulation:	HF XLPE
Core Identification:	Triple: White-numbered Other: To be defined
Separator:	PET Foil
Outer Sheath:	HFFR - Halogen free flame retardant
Sheath Color:	RAL 7001 Grey

In accordance with IEC 60092-350; IEC 60092-360; IEC 60092-376; IEC 60332-1-2; IEC 60332-3-22 Cat. A, IEC 60754-1/2, IEC 61034.

Maximum conductor temperature: 90°C

Number of Pairs or Triad or Quad: 1 to 4 - cross sectional area 0.75 mm<sup>2</sup>

Test report: Birikim Kablo no.390147150803 dated 03/03/2022.

Technical Specification: Birikim Kablo no. STD/271 R.4 dated 21/02/2023.

**ISTANBUL May 03, 2023**