



**TYPE APPROVAL CERTIFICATE**  
No. **ELE095416XT/002**

**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>F-MXCH 150/250 V; F-MXCH-FR 150/250 V; F-MX(st)H-TP 150/250 V; F-MX(st)H-TP-FR 150/250 V</b>
<i>Applicant</i>	<b>ERISIM KABLO SANAYI VE TICARET LTD. STI</b>
<i>Manufacturer</i>	<b>ERISIM KABLO SANAYI VE TICARET LTD. STI</b>
<i>Place of manufacture</i>	<b>ORGANIZE SAN.BOLG.METAL-IS SAN.SIT.4.BLOK NO.5/7/9 KAT.2 IKITELLI Istanbul TURKEY</b>
<i>Reference standards</i>	<b>IEC 60092-350; IEC 60092-360; IEC 60092-376; IEC 60228; IEC 60331-21; IEC 60332-3-22 Cat. A; IEC 60684-2; IEC 60754-1; IEC 60754-2; IEC 61034-2</b>

Issued in **ISTANBUL** on **January 12, 2017**. This Certificate is valid until **January 11, 2022**



  
RINA Services S.p.A.  
**Cinar Kutlar**

This certificate consists of this page and 1 enclosure

**ELE095416XT/002**  
**Enclosure**  
**F-MXCH 150/250 V**  
**F-MXCH-FR 150/250 V**  
**F-MX(st)H-TP 150/250 V**  
**F-MX(st)H-TP-FR 150/250 V**

**Materials/Components for F-MXCH cable:**

Halogen-free, Flame Retardant, Screened Shipboard and Yacht Communication and Signal Cable

Rated voltage: 150/250 V

Type: F-MXCH

Marking: ERİŞİM KABLO- type - n x s mm<sup>2</sup> - 150 /250 V - 90° C - IEC 60092-376, IEC 60332-3-22 Cat.A

Construction:

Conductor: Class-2 or Class-5, Stranded Multi Wire Copper or Tinned Multi Wire Copper

Insulation: XLPE compound

Inner Covering: PES Tape or HFFR Compound

Screen: Multi Wire Copper Braiding or Tinned Multi Wire Copper Braiding

Sheath: HFFR Compound

Max. conductor temperature: 90°C.

In accordance to rules IEC 60228, IEC 60092-350-360-376, IEC 60332-3-22, IEC 61034-2, IEC 60754 1-2 , IEC 60684-2.

Conductor size:

Number of core 2 to 24 - cross sectional area from 0.50 mm<sup>2</sup> to 2.50 mm<sup>2</sup>

**Materials/Components for F-MXCH-FR cable:**

Halogen-free, Flame Retardant, Fire Resistant, Screened Shipboard and Yacht Communication and Signal Cable

Rated voltage: 150/250 V

Type: F-MXCH-FR

Marking: ERİŞİM KABLO- type - n x s mm<sup>2</sup> - 150 /250 V - 90° C - IEC 60092-376, IEC 60332-3-22 Cat.A, IEC 60331-21

Construction:

Conductor: Class-2 or Class-5, Stranded Multi Wire Copper or Tinned Multi Wire Copper

Insulation: Mica tape + XLPE compound

Inner Covering: PES Tape or HFFR Compound

Screen: Multi Wire Copper Braiding or Tinned Multi Wire Copper Braiding

Sheath: HFFR Compound

Max. conductor temperature: 90°C.

In accordance to rules IEC 60228, IEC 60092-350-360-376, IEC 60332-3-22, IEC 61034-2, IEC 60754 1-2 , IEC 60684-2, IEC 60331-21.

Conductor size:

Number of core 2 to 24 - cross sectional area from 0.50 mm<sup>2</sup> to 2.50 mm<sup>2</sup>

**Materials/Components for F-MX(st)H-TP cable:**

Halogen-free, Flame Retardant Shipboard and Yacht Communication and Signal Cable

Rated voltage: 150/250 V

Type: F-MX(st)H-TP

Marking: ERİŞİM KABLO- type - n x s mm<sup>2</sup> - 150 /250 V - 90° C - IEC 60092-376, IEC 60332-3-22 Cat.A

Construction:

Conductor: Class-2 or Class-5, Stranded Multi Wire Copper or Tinned Multi Wire Copper

Insulation: XLPE compound

Stranding: Two cores are twisted as pairs

Wrapping: PES Tape (general)

Screen: Tinned Copper Drain Wire, Al+PES Tape

Sheath: HFFR Compound

Max. conductor temperature: 90°C.

In accordance to rules IEC 60228, IEC 60092-350-360-376, IEC 60332-3-22, IEC 61034-2, IEC 60754 1-2 , IEC 60684-2.

Conductor size:

Number of core 1P to 24P - cross sectional area from 0.50 mm<sup>2</sup> to 2.50 mm<sup>2</sup>

**Materials/Components for F-MX(st)H-TP-FR cable:**

Halogen-free, Flame Retardant, Fire Resistant Shipboard and Yacht Communication and Signal Cable

Rated voltage: 150/250 V

Type: F-MX(st)H-TP-FR

Marking: ERİŞİM KABLO- type - n x s mm<sup>2</sup> - 150 /250 V - 90° C - IEC 60092-376, IEC 60332-3-22 Cat.A, IEC 60331-21

Construction:

Conductor: Class-2 or Class-5, Stranded Multi Wire Copper or Tinned Multi Wire Copper

Insulation: Mica Tape + XLPE compound

Stranding: Two cores are twisted as pairs

Wrapping: PES Tape (general)

Screen: Tinned Copper Drain Wire, Al+PES Tape

Sheath: HFFR Compound

Max. conductor temperature: 90°C.

In accordance to rules IEC 60228, IEC 60092-350-360-376, IEC 60332-3-22, IEC 61034-2, IEC 60754 1-2 , IEC 60684-2, IEC 60331-21.

Conductor size:

Number of core 1P to 24P - cross sectional area from 0.50 mm<sup>2</sup> to 2.50 mm<sup>2</sup>

**ISTANBUL January 12, 2017**