



**TYPE APPROVAL CERTIFICATE**  
No. ELE095416XT/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>MX 0.6/1 kV; MX-FR 0.6/1 kV; MXH 0.6/1 kV; MXH-FR 0.6/1 kV; MXCH 0.6/1 kV; MXCH-FR 0.6/1 kV</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 60092-353; IEC 60228; IEC 60331-1; IEC60331-2; IEC 60331-21; IEC 60332-1; IEC 60332-3-22 Cat. A; IEC 60754-1/2; IEC 61034-2; IEC 60684-2</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/001**

**Enclosure**

**MX 0.6/1 kV**

**MX-FR 0.6/1 kV**

**MXH 0.6/1 kV**

**MXH-FR 0.6/1 kV**

**MXCH 0.6/1 kV**

**MXCH-FR 0.6/1 kV**

**Materials/Components for MX cable:**

Halogen-free, Flame Retardant Shipboard and Yacht Power Cable

Rated voltage: 0.6/1 kV

Type: MX

Marking: ERİŞİM KABLO- type - n x s mm<sup>2</sup> - 0.6 /1 kV - 90° C - IEC 60092-353, IEC 60332-3-22 Cat.A

Construction:

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

Insulation: Cross-linked HFFR compound

Max. conductor temperature: 90°C.

In accordance to rules IEC 60228, IEC 60092-350-353-360, IEC 60332-3-22, IEC 61034-2, IEC 60754 1-2 , IEC 60684-2.

Conductor size:

Number of cores 1 - cross sectional area from 1.00 mm<sup>2</sup> to 120 mm<sup>2</sup>

**Materials/Components for MX-FR cable:**

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

Rated voltage: 0.6/1 kV

Type: MX-FR

Marking: ERİŞİM KABLO- type - n x s mm<sup>2</sup> - 0.6 /1 kV - 90° C - IEC 60092-353, 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 + cross-linked HFFR compound

Max. conductor temperature: 90°C.

In accordance to rules IEC 60228, IEC 60092-350-353-360, IEC 60332-3-22, IEC 61034-2, IEC 60754 1-2 , IEC 60684-2, IEC 60331-21.

Conductor size:

Number of cores 1 - cross sectional area from 1.00 mm<sup>2</sup> to 120 mm<sup>2</sup>

**Materials/Components for MXH cable:**

Halogen-free, Flame Retardant Shipboard and Yacht Power Cable

Rated voltage: 0.6/1 kV

Type: MXH

Marking: ERIŞİM KABLO- type - n x s mm<sup>2</sup> - 0.6 /1 kV - 90° C - IEC 60092-353, 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

Sheath: HFFR Compound

Max. conductor temperature: 90°C.

In accordance to rules IEC 60228, IEC 60092-350-353-360, IEC 60332-3-22, IEC 61034-2, IEC 60754 1-2 , IEC 60684-2.

Conductor size:

Number of cores 1 - cross sectional area from 1.00 mm<sup>2</sup> to 120 mm<sup>2</sup>

Number of core 2 to 5 - cross sectional area from 1.00 mm<sup>2</sup> to 70 mm<sup>2</sup>

Number of cores 5 to 24 - cross sectional area from 1.00 mm<sup>2</sup> to 2.50 mm<sup>2</sup>

**Materials/Components for MXH-FR cable:**

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

Rated voltage: 0.6/1 kV

Type: MXH-FR

Marking: ERIŞİM KABLO- type - n x s mm<sup>2</sup> - 0.6 /1 kV - 90° C - IEC 60092-353, 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

Sheath: HFFR Compound

Max. conductor temperature: 90°C.

In accordance to rules IEC 60228, IEC 60092-350-353-360, IEC 60332-3-22, IEC 61034-2, IEC 60754 1-2 , IEC 60684-2, IEC 60331-21.

Conductor size:

Number of cores 1 - cross sectional area from 1.00 mm<sup>2</sup> to 120 mm<sup>2</sup>

Number of core 2 to 5 - cross sectional area from 1.00 mm<sup>2</sup> to 70 mm<sup>2</sup>

Number of cores 5 to 24 - cross sectional area from 1.00 mm<sup>2</sup> to 2.50 mm<sup>2</sup>

**Materials/Components for MXCH cable:**

Halogen-free, Flame Retardant, Screened Shipboard and Yacht Power Cable

Rated voltage: 0.6/1 kV

Type: MXCH

Marking: ERIŞİM KABLO- type - n x s mm<sup>2</sup> - 0.6 /1 kV - 90° C - IEC 60092-353, 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 60092-350-353-360, IEC 60332-3-22, IEC 61034-2, IEC 60754 1-2 , IEC 60684-2.

Conductor size:

Number of cores 1 - cross sectional area from 1.00 mm<sup>2</sup> to 120 mm<sup>2</sup>

Number of core 2 to 5 - cross sectional area from 1.00 mm<sup>2</sup> to 70 mm<sup>2</sup>

Number of cores 5 to 24 - cross sectional area from 1.00 mm<sup>2</sup> to 2.50 mm<sup>2</sup>

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

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

Rated voltage: 0.6/1 kV

Type: MXCH-FR

Marking: ERIŞİM KABLO- type - n x s mm<sup>2</sup> - 0.6 /1 kV - 90° C - IEC 60092-353, IEC 60332-3-22 Cat.A, IEC60331-21

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 60092-350-353-360, IEC 60332-3-22, IEC 61034-2, IEC 60754 1-2 , IEC 60684-2, IEC60331-21.

Conductor size:

Number of cores 1 - cross sectional area from 1.00 mm<sup>2</sup> to 120 mm<sup>2</sup>

Number of core 2 to 5 - cross sectional area from 1.00 mm<sup>2</sup> to 70 mm<sup>2</sup>

Number of cores 5 to 24 - cross sectional area from 1.00 mm<sup>2</sup> to 2.50 mm<sup>2</sup>

**ISTANBUL January 12, 2017**