



**TYPE APPROVAL CERTIFICATE**  
No. **ELE058611XT/017**

**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>MGCH 0.6/1 kV</b>
<i>Applicant</i>	<b>2M KABLO SANAYI VE TICARET A.S. SANCAKTEPE MAHALLESİ, KLAS SOKAK, NO:8, 34580 SILIVRI, ISTANBUL, TURKEY</b>
<i>Manufacturer</i>	<b>2M KABLO SANAYI VE TICARET A.S.</b>
<i>Place of manufacture</i>	<b>SANCAKTEPE MAHALLESİ, KLAS SOKAK, NO:8, 34580 SILIVRI, ISTANBUL, TURKEY</b>
<i>Reference standards</i>	<b>IEC 60092-353; IEC 60092-350</b>

*Issued in* **ISTANBUL** on **August 16, 2013**. *This Certificate is valid until* **August 16, 2018**



**RINA**  
**Orhan Pekcay**

This certificate consists of this page and 1 enclosure



**TYPE APPROVAL CERTIFICATE**

No. **ELE058611XT/017**

Enclosure - Page 1 of 1

**MGCH 0.6/1 kV**

**Materials/Components**

Shipboard power cables, flame retardant, halogen free with low smoke emission, for ships and off-shore units installation

Rated voltage: 0.6 / 1 kV

Maximum rated conductor temperature: + 85 °C

Type: MGCH

Marking: 2MKABLO IEC 60092-353 MGCH n x s(mm<sup>2</sup>) 0.6/1 kV IEC 60332-3-22 [METER MARK]

**Construction**

Conductor: Stranded Electrolytic Annealed Copper Class 2

Insulation: HEPR

Lay-Up: All cores as layers

Screen: Electrolytic Copper Wire Braiding

Outer Sheath: HFFR SHF1

Number of Units: 1 and 3

Cross-sectional area of conductor: 1 to 300 mm<sup>2</sup>

Number of Units: 2

Cross-sectional area of conductor: 1 to 70 mm<sup>2</sup>

Number of Units: 4

Cross-sectional area of conductor: 1 to 240 mm<sup>2</sup>

Number of Units: 5

Cross-sectional area of conductor: 1 to 25 m

Number of Units: 6, 7, 8, 9, 10, 12, 14, 16, 18...48

Cross-sectional area of conductor: 1 to 2,5mm<sup>2</sup>

Number of Units: 60

Cross-sectional area of conductor: 1 and 1,5 mm<sup>2</sup>

**Reference documents:** Technical Specification No: 120-4/2011 (28/03/2012)

**Reference Standards:** IEC 60092-350; IEC 60092-353; IEC 60092-359; IEC 60332-3-22 (CAT-A); IEC 60332-1-2; IEC 60228; IEC 60811; IEC 60754-1; IEC 60754-2; IEC 60092-351; IEC 61034-1; IEC 61034-2; IEC 60684-2;

ISTANBUL 16.08.2013