



**TYPE APPROVAL CERTIFICATE**  
No. ELE058611XT/007

**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>FMGCH 150/250 V</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 60092-350; IEC 60092-376.</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

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**FMGCH 150/250 V**

**Materials/Components**

Shipboard instrumentation, control and communication cables, flame retardant, halogen free with low smoke emission, for ships and off-shore units installation.

Rated voltage: 150 / 250 V

Maximum rated conductor temperature: + 85 °C

Type: FMGCH

Marking: 2MKABLO IEC 60092-376 FMGCH n x m x s(mm<sup>2</sup>) 150/250 V IEC 60332-3-22 [METER MARK]

**Construction**

Conductor: Stranded Electrolytic Annealed Copper Class 2

Insulation: HEPR

Lay-Up: Pairs/triples/quads are stranded in layers

Screen: Electrolytic Copper Wire Braiding

Outer Sheath: HFFR SHF1

Number of Units: 1, 2, 3, 4, 5, 6, 7, 8, 10, 12, 14, 16, 18, 19, 20, 24, 28, 30, 37, 44, 60 Cross-sec. area of conductors 0,5 to 2,5 mm<sup>2</sup>

**Reference documents:** Technical Specification No: 111-3/2011 (16/03/2012)

**Reference Standards:** IEC 60092-350; IEC 60092-376; IEC 60332-3-22; IEC 60332-1-2; IEC 60228; IEC 60811; IEC 60754-1; IEC 60754-2; IEC 60092-351; IEC 60092-359; IEC 60684-2; IEC 61034-1/2; IEC60754-1/2

**ISTANBUL August 16, 2013**

