



TYPE APPROVAL CERTIFICATE
No. **ELE052516XT/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.

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|-----------------------------|--|
| <i>Description</i> | ELECTRIC CABLES |
| <i>Type</i> | FMGCH 60/250 V |
| <i>Applicant</i> | UNTEL KABLOLARI SANAYI VE TICARET A.S. |
| <i>Manufacturer</i> | UNTEL KABLOLARI SANAYI VE TICARET A.S. |
| <i>Place of manufacture</i> | MAKINE O.S.B. 6.CADDE, NO.4 DILOVASI 41455 KOCAELI TURKEY |
| <i>Reference standards</i> | DIN 89159; IEC 60092-375; IEC 60092-376. |

Issued in **ISTANBUL** on **October 11, 2016**. This Certificate is valid until **October 10, 2021**




RINA Services S.p.A.
Cinar Kutlar

This certificate consists of this page and 1 enclosure

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FMGCH 60/250 V

Materials/Components

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

Rated voltage: 60/250 V

Type: FMGCH

Marking: UNTEL DIN 89159 IEC 60092-376 FMGCH n x s mm² 250 V IEC 60332/3A

Construction:

conductor: stranded copper wire class 2 or 5, tinned on request

insulation: HF-EPR

laid up: cores laid up in pairs

separating foil

screen: tinned or plain copper braid wires

separating foil

sheath: SHF1

Max. conductor temperature: 90°C.

In accordance to rules DIN 89159; IEC 60228; IEC 60092-350; IEC 60092-360; IEC 60092-376; IEC 60332-1-2; IEC 60332-3-22; IEC 60754-1; IEC 60754-2; IEC 61034-1; IEC 61034-2.

Conductor size:

number of cores x pairs 1,2,4,7,10,14,19,24 - cross sectional area 0.5, 0.75, 1, 1.5 mm²

Technical specification: data sheet N. FR 70-042 Rev 1 dated 01/07/2011.

ISTANBUL 11.10.2016

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