



TYPE APPROVAL CERTIFICATE
No. ELE133521XT/016

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>	ELECTRIC CABLES
<i>Type</i>	FMGCH-FFR 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 60331-21

Issued in **ISTANBUL** on **October 11, 2021**. *This Certificate is valid until* **October 11, 2026**


RINA Services S.p.A.
Volkan Celik



This certificate consists of this page and 1 enclosure



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FMGCH-FFR 60/250 V

Materials/Components

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

Rated voltage: 60/250 V

Type: FMGCH-FFR

Marking: UNTEL DIN 89159 IEC 60092-376 FMGCH-FFR n x s mm² 250 V IEC 60332/3A IEC 60331

Construction:

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

mica tape on the conductor

insulation: HF-EPR

laid up: cores laid up in pairs

separating foil

screen: plain copper braid wires, tinned on request

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 60331-21; IEC 60332-1-2; IEC 60332-3-22.

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 70-052 Rev1 dated 01/07/2011.



ISTANBUL 11/10/2021