



## TYPE APPROVAL CERTIFICATE

No. ELE052516XT/002

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>MGCG 0.6/1 kV</b>
<i>Applicant</i>	<b>UNTEL KABLOLARI SANAYI VE TICARET A.S.</b>
<i>Manufacturer</i>	<b>UNTEL KABLOLARI SANAYI VE TICARET A.S.</b>
<i>Place of manufacture</i>	<b>MAKINE O.S.B. 6.CADDE, NO.4 DILOVASI 41455 KOCAELI TURKEY</b>
<i>Reference standards</i>	<b>DIN 89158; IEC 60092-353.</b>

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

**TYPE APPROVAL CERTIFICATE**

No. ELE052516XT/002

Enclosure - Page 1 of 1

**MGCG 0.6/1 kV**

**Materials /Components**

Shipboard power cables, flame retardant, for ships and off-shore units installation.

Rated voltage: 0.6/1 kV

Type: MGCG

Marking: UNTEL DIN 89158 IEC 60092-353 MGCG n x s mm<sup>2</sup> 0.6/1 kV IEC 60332/3A

**Construction:**

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

insulation: HEPR

bedding: rubber compound

screen: plain copper wires braid, tinned on request

sheath: CR (SE1)

Max. conductor temperature: 85°C.

In accordance to rules DIN 89158; IEC 60228 ; IEC 60092-350; IEC 60092-353; IEC 60092-360; IEC 60332-1-2; IEC 60332-3-22.

**Conductor size:**

number of cores 1 - cross sectional area from 1.5 to 300 mm<sup>2</sup>

number of cores 2, 3, 4 - cross sectional area from 1 to 300 mm<sup>2</sup>

number of cores 5 - cross sectional area from 1 to 240 mm<sup>2</sup>

number of cores 7 - cross sectional area from 1 to 4 mm<sup>2</sup>

number of cores 10,12,14,16, 18, 19, 20, 21, 24, 25, 27, 30, 32, 34, 36, 37 - cross sectional area from 1 to 2.5 mm<sup>2</sup>

Technical specification: data sheet N. FR 70-061 Rev1 dated 01/07/2011.

**ISTANBUL 11.10.2016**

U