



TYPE APPROVAL CERTIFICATE
No. **ELE030518XT/004**

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

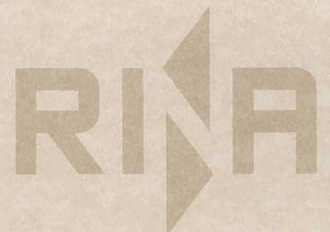
<i>Description</i>	ELECTRIC CABLES
<i>Type</i>	U-HFAT m U-HFAT m (C) U-HFAT m (I) U-HFAT m (I+C)
<i>Applicant</i>	UNIKA UNIVERSAL KABLO SANAYI VE TICARET A.S. VELIKOY SANAYI BOLGESI, CERKEZKOY Tekirdag TURKEY
<i>Manufacturer</i>	UNIKA UNIVERSAL KABLO SANAYI VE TICARET A.S.
<i>Place of manufacture</i>	VELIKOY SANAYI BOLGESI, CERKEZKOY Tekirdag TURKEY
<i>Reference standards</i>	IEC 60092-350; IEC 60092-376; RINA Rules for the Classification of Ships; RINA Rules for Testing and Certification of Marine Materials and Equipment.

Issued in **ISTANBUL** on **April 13, 2018**. *This Certificate is valid until* **April 14, 2023**




RINA Services S.p.A.
Cinar Kutlar

This certificate consists of this page and 1 enclosure



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U-HFAT m

U-HFAT m (C)

U-HFAT m (I)

U--HFAT m (I+C)

Components

Shipboard control, instrumentation and communication cables, flame retardant.

Rated voltage: 250 V

Type: U-HFAT m; U-HFAT m (C); U-HFAT m (I); U-HFAT m (I+C).

Marking: Manufacturer name "type" 250 V n x p x s mm² IEC 60332-3A year of manufacture

Construction:

conductor: plain or tinned stranded copper

insulation: XLPE

tape: polyester tape

drain wire: plain or tinned copper wire

individual screen: (I) - metal coated polyester tape

collective screen: (C) - metal coated polyester tape

tape: polyester tape

armour: plain or tinned copper wire braid

outer sheath: SHF1

In accordance with IEC 60228 (class. 2 or class. 5); IEC 60092-350; IEC 60092-360; IEC 60092-376; IEC 60332-1; IEC 60332-3 Cat.A; RINAMIL Rules.

Maximum conductor temperature: 90°C

Number of cores: 1, 2, 3, 4, 5, 7, 10, 12, 16, 19, 24, 27, 37 - cross sectional area 0.50, 0.75, 1, 1.5, 2.5 mm²

Test report: UNIKA n.2043 dated 10/01/2008 & UNIKA dated 12/04/2018.

Technical Specification: UNIKA N. 500/TOVD/034 dated 27/12/2006 Rev. 1 dated 01/11/2007.

This certificate annuls and replaces previous certificate no: ELE070117XT/014.

ISTANBUL April 13, 2018

