



MARINE DIVISION

Certificate number: 06055/D0 BV

File number: ACE 01/113/02

Product code: 2501H

This certificate is not valid when presented without the full attached schedule composed of 7 sections

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TYPE APPROVAL CERTIFICATE

This certificate is issued to

UNIKA UNIVERSAL KABLO SANAYI VE TICARET A.S.

Istanbul - TURKEY

for the type of product

CABLES (LOW VOLTAGE)

0.6 / 1 kV

Type : MGCG & MGG.

Requirements:

BV Rules for the Classification of Steel Ships.

IEC 60092-350/351/353/359, IEC 60228, IEC 60332-1, IEC 60332-3-22.

This certificate is issued to attest that BUREAU VERITAS did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.

This certificate will expire on: 17 May 2015

For BUREAU VERITAS,

At BV ISTANBUL, on 17 May 2010,

Gurcan Yilmaz



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with BUREAU VERITAS. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of BUREAU VERITAS Marine Division available on the internet site www.veristar.com. Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against BUREAU VERITAS for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION :

TYPE	Number of cores	Cross sectional areas (mm ²)	Temp.Class (°C)	Remarks
UNIKA KABLO 0.6/1 kV	1	1.5 - 300	90	Flame retardant according to IEC 60332-3-22 (Cat A).
MGCG and MGG	2	1.5 - 25		
	3	1.5 - 150		
	4	1.5 - 120		
	5 - 61	1.5 - 4		

2. DOCUMENTS AND DRAWINGS :

IEC Standards.

According to documents filed in ACE 01/113/02

3. TEST REPORTS :

Report N°s:

- 1.08.14.01-95/01 dated 10.04.1995 carried out by Turkish Standards Institution (T.S.I.)
- 1.08.14.01-95/168 dated 20.03.1995 carried out by Turkish Standards Institution (T.S.I.)
- Routine and test reports dated 02/feb./2010.

4. APPLICATION / LIMITATION :

According to BV Rules for the Classification of Steel Ships and the 60092 series.

5. PRODUCTION SURVEY REQUIREMENTS :

5.1 - The cables are to be manufactured, examined and tested by **Unika Universal Kablo Sanayi Ve Ticaret AS - Istanbul - TURKEY** in accordance with the type described in this certificate and Bureau Veritas Rules for the Classification of Steel Ships.

5.2 - Production sites are to be recognized by Bureau Veritas as per NR320 for HBV products. To this end **Unika Universal Kablo Sanayi Ve Ticaret AS - Istanbul - TURKEY** has to make the necessary arrangements for a Society's Surveyor to perform visits and product audits at the production sites.

5.3 - **Unika Universal Kablo Sanayi Ve Ticaret AS - Istanbul - TURKEY** has declared to Bureau Veritas that the type of product described in this certificate may be manufactured at the following production site:

Unika Universal Kablo Sanayi Ve Ticaret AS
Yeni Sulun Sk. No:5
ICLEVENT
Istanbul
TURKEY

6. MARKING OF PRODUCT :

The cable shall be marked on the surface outer sheath, in a durable legible and visible manner, with the following information through the length of cable :

- 6.1 - Voltage grade
- 6.2 - Cable symbol & Temperature
- 6.3 - Applicable standard to flame retardant
- 6.4 - No. of conductor & conductor size
- 6.5 - Manufacturer's name or trade mark
- 6.6 - Year of manufacture.



7. OTHERS :

7.1 - This approval is given on the understanding that the Society reserves the right to require check tests to be carried out on the cables at any time and that **Unika Universal Kablo Sanayi Ve Ticaret AS - Istanbul - TURKEY**, will accept full responsibility for informing shipbuilders, shipowners or their sub-contractors of the proper methods of use and general maintenance of the units and the conditions of this approval.

7.2 - This Certificate supersedes the Type Approval Certificate N° 06055/C0 BV issued on 27/01/2005 by the Society.

***** END OF CERTIFICATE *****

17.05.2010

17.05.2015