



TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This Certificate consists of 2 pages.

This is to certify that the
SWITCHBOARD CABLES

With type designations

U-XF m

Manufactured by

ÜNİKA ÜNİVERSAL KABLO SANAYİ VE TİCARET A.Ş

Is found to comply with
Türk Loydu Rules for the Classification of Steel Ships,
IEC 60092-353, IEC 60332-1, IEC 60332-3-22 Cat A, IEC 60754-1-2,
IEC 61034-1-2, IEC 60684-2

Application : Halogen-free, flame retardant switchboard cables and grounding cables
(with green-yellow insulation color)

Design : Voltage class: 0.6/1 kV (1.2 kV) Temp. class: 90°C

Sizes : 1x1 mm² to 1x300 mm² according to manufacturer production
specification

Address of Manufacturer : Veliköy Sanayi Bölgesi Çerkezköy – Tekirdağ / Türkiye

Place and date : İSTANBUL / 05.04.2018

Subject to the conditions referred to in the following pages, this certificate is valid until 17.06.2023

Emrah SÖĞÜTÇÜ
New Building Division Manager



Yağız YILDIRIM
Surveyor



Product description : SWITCHBOARD CABLES

Type Designation : U-XF m (con. + ins.)

Materials used :

Conductors (con.) : Stranded or bunched plain or tin-coated annealed copper wire
(class 2 or class 5 according to IEC 60228)

Insulation (ins.) : HF90 according to IEC 60092-360

Application/ Limitation (Approval conditions):

For each new building ship and in service ships under major modifications, factory acceptance tests (routine tests) of cables shall be carried out before mounted to the ship with the witness of TL surveyor.

Non-fused conductors leading from the main busbar to fuses and circuit breakers shall be as short as possible, but not longer than 1m. These wires shall not be un and mounted together with other wires. If not possible, these wires shall be double insulated.

Documentation :

- Product test reports of ÜNİKA dated 20.06.2014, 01.06.2016
- TSE test report 304786 dated 29.06.2016
- TSE test report 304658 dated 29.06.2016

Test carried out (and results) :

Type tests according to IEC 60092-353/350/360, IEC 60228, IEC 60332-1, IEC 60332-3-22 Cat A, IEC 60754-1-2, IEC 61034-1-2, IEC 60684-2

Place of test carried out :

ÜNİKA Cable Factory – ÇERKEZKÖY

Marking of product: the product to be marked same as below mentioned.

ÜNİKA [type] [size] [volt] [related standards]



Yağız YILDIRIM
Surveyor

This certificate is subject to terms and conditions described below:

- Any significant change in design or construction may render this Certificate invalid. Type Approval Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. This certificate is not valid for products without marking above mentioned. The manufacturer should notify TÜRK LOYDU of any modifications or changes to the equipment in order to obtain valid certificate. This certificate shows that tested specimens as representative of the product complies of the TÜRK LOYDU rules, and relevant international instruments that apply to it.