Certificate No.: 2208021348104381

TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This is to certify that the

Data Transmission Cable

Manufacturer	ELTORQUE AS
Address	Julianus Holms Veg 34 7041 Trondheim NORWAY
Product Type	Hybrid Communication and Power Cable
Particulars / Designation	Eltorque CHMS
Application	Can bus cable for valve communication in marine
Reference Rule	TL Rules Part B Chapter 5 July 2022, TL Rules Part E Chapter 105 January 2022, IEC 60092-376
Place and Date	ISTANBUL / 07.09.2022

Subject to the conditions referred to in the following pages, this certificate is valid until 07.08.2027.

Emrah SÖĞÜTÇÜ

New Building Division Manager

128375

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 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 revelant international instruments that apply to it.

Product Details : Hybrid communication cable with built-in power core for Eltorque QT and MT type valves.

Application / Limitation (Approval Conditions) : This cable only be approved for Eltorque products. Other areas of use are not covered by Turk Loydu certificate.

Approved products can be used navy and commercial vessels which are built under the classification rules of Turk Loydu.

Documentation : Eltorque Hybrid Cable Datasheet 2017, DNV-GL type approval certificate no: TAE00000EG Revision 2

Product Description : Eltorque CHMS (i) 250V 3G2,5mm2 + 1x0,75mm2 + 1x2x0,75mm2 hybrid cable with screen and integrated power cores. Halogen-free, EMC approved.

Voltage : 150-250 V
Temperature : -40°C to +90°C
Conductor : Class 5 stranded copper, plain or tin coated IEC 60228
Insulation : XLPE IEC 60092-360
Screen : Al/PET
Outer Jacket : HFFR SHF1 IEC 60092-360

Approval No / Date : PAE-EPAS/010722/21-0344/VA 19.10.2021
PAE-EPAS/011064/21-0344/VA 24.11.2021

Performed Tests : Type tests according to IEC 60092-350

Test Place : Vanvikan

Last Inspection Date : 16.06.2022

Surveyor Name: Caner COŞKUN

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