



TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This is to certify that the

Cables

Manufacturer	ÜNTEL KABLOLARI SAN VE TİC A.Ş.
Address	Demirciler Köyü, Makine Osb 6. Cad No:4, 41455 Dilovası / Kocaeli TURKEY
Product Type	Medium voltage electric cables
Particulars / Designation	MVCECH
Application	Medium voltage cables for commercial and navy vessels
Reference Rule	TL Rules, Part B, Chapter 5, Electric, 01.01.2021 TL Rules, Part E, Chapter 105 - Naval Ship Technology, Electrical Installations, 01.01.2022
Place and Date	İSTANBUL / 09.08.2022

Subject to the conditions referred to in the following pages, this certificate is valid until 22.08.2027.

Emrah SÖĞÜTÇÜ
New Building Division Manager



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 relevant international instruments that apply to it.

Product Details:

Halogen-free, Low smoke density, Flame-Retardant

Application / Limitation (Approval Conditions) :

Cables approved as medium voltage applications only.

Plan Approval Remarks:**Documentation:**

Manufacturer test reports, manufacturer datasheets

Performed Tests: Following tests were carried out with satisfactory results.

Type tests

QMS audit

Product : Electric Cable**Type of Product** : MVCECH**Product Description** : Medium Voltage Cable for 3,6/6kV, 6/10 kV, 8,7/15 kV, 12/20 kV, 18/30 kV voltage levels.

Conductor+Inner Semi-conductor layer+Insulation+Outer semi-conductor layer+Copper screen+Bedding+Screen+Outer sheath

Marking: ÜNTEL [type][size][volt. class][related standards]

Color: Red or other color options may be used.

Approval standards:

IEC 60092/354, IEC 60228, IEC 60332/1-2, IEC 60332-3-22 Cat A, IEC 60754-1/2, IEC 61034-1/2, IEC 60811-3-1, IEC 60684-2, IEC 60811-509, IEC 60811-507, IEC 60811-508

Dimension : 1 to 3 cores**Cross Section** : 10 to 400 mm²**Rated Voltage** : 3,6/6 kV, 6/10 kV, 8,7/15 kV, 12/20 kV , 18/30 kV**Performed Tests** : QMS audit
Type tests according to IEC standards**Test Place** : Dilovası-KOCAELİ

 Surveyor Name : Yağız YILDIRIM *for*

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