



TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This Certificate consists of 2 pages.

This is to certify that the

LOW VOLTAGE ELECTRIC CABLE

With type designations

NSSHÖÜ

Manufactured by

KABLOTEK KABLO SAN. VE TİC. A.Ş.

Is found to comply with
VDE 0250-812, IEC 60332-1-2
TURK LOYDU RULES PART E CHAPTER 105, ELECTRIC JAN 2016

Application	: Shore connection cables for low voltage ships
Design	: Kablotek Kablo San. Tic. A.Ş.
Sizes	: According to Standart
Address of Manufacturer	: Alipaşa Mevkii Sanayi 12. Sokak No:7 34570
Place and date	: İSTANBUL / 28.12.2021

Subject to the conditions referred to in the following pages, this certificate is valid until 08.12.2026

Emrah SÖĞÜTÇÜ
New Building Division Manager



Product description : Low voltage electric cable for flexible applications. Max. working temperature 0,6/1 kV AC. -20°C to +60°C. Max. conductor temperature +90°C. Bending radius is minimum 10xD (cable diameter) for flexible applications.

Oil resistant according to EN 60811-2
Flame retardant: IEC/EN 60332-1-2

Type Designation : NSSHÖÜ

Materials used :
Conductor: Tinned copper, fine stranded flexible acc.to DIN VDE 0295 class 5
Insulation: 3GI3type rubber compound
Inner sheath: GM1b type rubber compound
Outer sheath: 5GM5 type rubber compound

Application/ Limitation (Approval conditions): Approved type of cable is only be used for shore power supply between ship and the shore mains.

Documentation : TL Plan approval letter no : PAE-EPAS/ /21-1889/GTÇ 24.12.2021

Test carried out (and results) : Below tests have been carried out and found satisfactory. QMS audit has been performed for type approval process.

- Mechanical tests: Dimensional controls, Elongation and Tensile strength before and after aging (insulation and sheaths), Oil resistance test, Hot-Set test (insulation and sheaths), Abrasion test (sheath), Vertical flame retardancy test.
- Electrical tests: Conductor resistance test, Insulation resistance test, High voltage test

Place of test carried out : KABLOTEK Factory, Silivri/İSTANBUL

Marking of product: The product to be labeled with, Manufacturer Name, Cable type, Cable voltage, Cable Standard, Cable length along the cable


Yağız YILDIRIM For
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.