



TÜRK LOYDU

TYPE APPROVAL CERTIFICATE

This Certificate consists of 2 pages.

This is to certify that the

FLEXIBLE POWER CABLES

With type designations

NSSHÖU - NSHCÖU

Manufactured by

ÜNTEL KABLoları SANAYİ VE TİC. A.Ş.

Is found to comply with

TÜRK LOYDU Rules for Classification of Steel Ships – Electrical Installation (July 2016)
TÜRK LOYDU Rules for the Classification of Naval Ships – Electrical Installation (Jan 2016) DIN
VDE 0250-812/811

Application : Power and Lighting cables of ships for flexible connection

Design : Voltage class 0.6/1 kV 90°C

Sizes : see the type designation

Address of Manufacturer : Demirciler Köyü, Makine OSB, 6. Cadde, No:4, 41455
Dilovası/Kocaeli

Place and date : İSTANBUL, 12.01.2018

Subject to the conditions referred to in the following pages, this certificate is valid until 28.06.2022

This certificate supersedes TO.DEB.17-0552 numbered and 29.06.2017 date certificate

Emrah SÖĞÜTÇÜ
New Building Division Manager

Osman Yalçın YALMAN
Surveyor



Product description : FLEXIBLE POWER CABLES

Type Designation :

NSSHÖÜ (conductor + insulation+ bedding+ outer sheath)

Materials used :

Conductors (con.) : Stranded copper wire according to IEC 60228 CL 5

Insulation (ins.) : EPR, 3G13 acc. to DIN VDE 0207 part 20

Bedding : GM 1b according to DIN VDE 0207-21

Outer Sheath (she.) :5GM5 according to DIN VDE 0207-21

NSHCÖÜ (conductor + insulation+ inner sheath+ screen+ outer sheath)

Conductors (con.) : Stranded copper wire according to IEC 60228 CL 5

Insulation (ins.) : EPR, G1 acc. to DIN VDE 0207 part 20

inner sheath : 5GM1a according to DIN VDE 0207-21

screen : Copper wire braiding

Outer Sheath (she.) :5GM5 according to DIN VDE 0207-21

| Type Designation Sizes | | |
|------------------------|---------------------|----------------------------------|
| Cable type | Number of conductor | Cross section (mm ²) |
| NSSHÖÜ | 1 to 40 | 1,5 to 240 |
| NSHCÖÜ | 1 to 40 | 1,5 to 240 |

Application/ Limitation (Approval conditions):-

Documentation : Product test reports

Test carried out (and results) : Type test according to DIN VDE 0250-811, DIN VDE 0250-812

Place of test carried out : ÜNTEL Cable Factory- Dilovası/ KOCAELİ

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

ÜNTEL [type] [size] [volt. class] [related standards] [temp. class]


Osman Yalçın YALMAN
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.