



Confirmation of Product Type Approval

Company Name: UNIKA UNIVERSAL KABLO SAN. VE TIC A.S.

Address: VELIKOY ORGANIZE SANAYI BOLGESI SANAYI MAH. 3.CADDE NO.4 CERKEZKOY
TEKIRDAG 59550 Turkey

Product: Cable, Electric

Model(s): S101 RFOU(i) and RFOU(i)-M (RFOU (I) Type S1/S5), S102 RFOU(c) and RFOU(c)-M
(RFOU (C) Type S2/S6), RFCU (I), RFCU (C), BFCU (I), BFCU (C), RU (I+C), BU (I+C)

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	25-0200102-1-2-PDA	10-SEP-2026	05-MAR-2030
Manufacturing Assessment (MA)	23-6060224	06-OCT-2023	05-OCT-2028
Product Quality Assurance (PQA)	NA	NA	NA

Tier

3 - Type Approved, unit certification not required

Intended Service

Control, Instrumentation and Communication Cables for marine and offshore applications.

Description

1. S101 RFOU(i) and RFOU(i)-M (RFOU (I) Type S1/S5) 250V halogen free, flame retardant, low smoke, mud resistant cables
2. S102 RFOU(c) and RFOU(c)-M (RFOU (C) Type S2/S6) 250V halogen free, flame retardant, low smoke, mud resistant cables
3. RFCU (I) 250V halogen free, flame retardant, low smoke, mud resistant (optional) cables
4. RFCU (C) 250V halogen free, flame retardant, low smoke, mud resistant (optional) cables
5. BFCU (I) 250V halogen free, fire resistant, flame retardant, low smoke, mud resistant (optional) cables
6. BFCU (C) 250V halogen free, fire resistant, flame retardant, low smoke, mud resistant (optional) cables
7. RU (I+C) 250V halogen free, flame retardant, low smoke, mud resistant (optional) cables
8. BU (I+C) 250V halogen free, fire resistant, flame retardant, low smoke, mud resistant (optional) cables

Please refer to the attachment to this Certificate for the detailed description and the sizes of each cable model.

Ratings

Rated Voltage: 250 V

Maximum rated conductor temperature: 90 deg C

Service Restrictions

1. Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.
2. Unit Certification is required where the cables are used for propulsion systems. All propulsion cables, other than internal wiring in control gears and switchboards, are to be subjected to dielectric and insulation tests in the presence of the Surveyor (See 4-8-5/5.17.11 of Marine Vessels Rules.)
3. Maximum Current Carrying Capacity and Maximum Conductor Temperature are to be in accordance with 4-8-3/Table 6 of the Marine Vessels Rules.

Comments

1. The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
2. UNIKA is the test lab location for all the manufacturer's test reports listed in the "Notes, Drawings and Documentation" section.

Notes, Drawings and Documentation

Drawing No. 4489711, 4489711 S101 RFOU (I) Rev.0 02.12.2022 DS (25-0200102-1-1 PDA), Revision: 0, Pages: 2

Drawing No. 005, 25-0200102-1-1 PDA (RFOU (I) Type S1-S5, RFOU (C) Type S2-S6, RFCU (I), RFCU (C), BFCU (I), BFCU (C), RU (I+C), BU (I+C)), Revision: 1, Pages: 11

Drawing No. 001, GAP Analysis NEK, Revision: 0, Pages: 3

Drawing No. PDA08, TA - Type approval - Order A1308917 - RFOU Medium Voltage Cables-Stamped, Lab: Unika, Issued on: 31/05/2023 Revision: 0, Pages: 82

Drawing No. 4489811, 4489811 S102 RFOU (C) Rev.0 03.12.2022 DS (25-0200102-1-1 PDA), Revision: 0, Pages: 2

Drawing No. PDA01, NEK 606 - IEC CODE DOCUMENT FOR 25-0200102-1-1-PDA, Revision: 0, Pages: 1

Term of Validity

This Product Design Assessment (PDA) Certificate remains valid until 05/Mar/2030 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

ABS Rules

2026 Rules for Conditions of Classification: 1A-1-4/7.7, 1A-1-A3, 1A-1-A4, which covers the following:

2026 Rules for Building and Classing Marine Vessels 4-8-3/9.1, 4-8-3/9.4, 4-8-3/9.5, 4-8-3/9.9, 4-8-3/9.17,

2026 Rules for Conditions of Classification - Offshore Rules: 1B-1-4/9.7, 1B-1-A2, 1B-1-A3 which covers the following:

2026 Rules for Building and Classing Offshore Rules: 4-3-4/7.1.1, 4-3-4/7.1.2, 4-3-4/7.1.3, 4-3-4/7.1.4.

International Standards

IEC 60092-376 (2025)

IEC 60092-350 (2020)

IEC 60092-360 (2021)

IEC 60332-3-22 (2018)

IEC 60331-1/2 (2018)

NEK 606 (2022) (applicable to cable models S101 RFOU(i) and RFOU(i)-M (RFOU(I) Type S1/ S5), S102 RFOU(c) and RFOU(c)-M (RFOU (C) Type S2/ S6)

Abnormal Low Temperature Cables only: CSA C22.2 No. 0.3-09 (5.11 & 5.12, -40 deg C Cold Bend / -35 deg C Cold Impact)

EU-MED Standards

NA.

National Standards

NA.

Government Standards

NA.

Other Standards

NA.



A handwritten signature in blue ink, reading "Michael R. Kiesel".

ABS Programs
American Bureau of Shipping
Print Date and Time: 16-Sep-2026 9:10

ABS has used due diligence in the preparation of this certificate, and it represents the information on the product in the ABS Records as of the date and time the certificate is printed.

If the Rules and/or standards used in the PDA evaluation are revised or if there is a design modification (whichever occurs first), a PDA revalidation may be necessary.

The continued validity of the MA is dependent on completion of satisfactory audits as required by the ABS Rules. The validity of both PDA and MA entitles the product to receive a **Confirmation of Product Type Approval**.

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or prior to the effective date of the ABS Rules and standards applied at the time of PDA issuance. ABS makes no representations regarding Type Approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for this evaluation.

Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. The manufacturer is responsible to maintain compliance with all specifications applicable to the

product design assessment. Unless specifically indicated in the description of the product, certification under type approval does not waive requirements for witnessed inspection or additional survey for product use on a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that; whether the standard is an ABS Rule or a non-ABS Rule, the Client has full responsibility for continued compliance with the standard.

Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.