Confirmation of Product Type Approval

Company Name: TELDOR CABLES & SYSTEMS LTD

Address: EIN DOR, 0 KIBBUTZ EIN-DOR 19335 Israel

Product: Communication Cable

Model(s): BUS / FieldBus - MGB Designation

Endorsements:

Certificate Type	Certificate Number	Issue Date	Expiry Date
Product Design Assessment (PDA)	25-0457338-PDA	18-DEC-2025	17-DEC-2030
Manufacturing Assessment (MA)	25-7369591	18-DEC-2025	17-DEC-2030
Product Quality Assurance (PQA)	NA	NA	NA

Tier
3 - Type Approved, unit certification not required

Intended Service
BUS / FIELDBUS Data communications cables for Marine, OIL/GAS and Offshore applications with Low smoke, Zero halogens and flame retardant characteristics

Description
BUS / FieldBus cables for Marine, Oil/Gas and Offshore applications.

The cables are made from solid or stranded conductors with SHF1 / SHF2 / SHF2-Mud-resistant per NEK606 jackets.

The cables are Flame Retardant per IEC60332-3, Fire Resistant (optional), Halogen Free, Low Smoke emission, Low Fluorine emission, Ozone Resistant, Armored and Non-Armored.

The cables are oil resistant and designed for harsh conditions.

Includes: MGB ProfiBus (100,120, 150), MGB CanBus, MGB DeviceNet, MGB FieldBus H1, MGB Ethernet/IP, MGB RS-485, MGB RS-422.

Ratings
Voltage: 300V max.

Operating Temperature Range: - 40°C to + 90°C

Service Restrictions
1. Unit Certification is not required for this product.

2. If the manufacturer or purchaser requests an ABS Certificate for compliance with a specification or

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standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

3. Termination itself shall be in the outer sheath of the cable and conductors should be locked in place in order to avoid damage from vibration.

4. In order to achieve transmission compliant cables, these cables shall be installed with suitable termination equipment according to manufacturer's recommendations.

5. The scope of Type Approval is to comply with MSC.1/Circ.1221 dated 11 December 2006.

Comments
1. The Manufacturer has provided a declaration about the lack of Asbestos in this product.

2. The sheath shall be clearly marked with the following data as a minimum:

- Manufacturer's identification (name or trade name)

- Cable designation (Cable type) Number of fibers / cores / MGB

- Jacket type

- Armor Type

- Voltage rating

- Year of manufacture

- Batch number, Flame test, Meter mark.

The marking shall be repeated at least every 1,0 m.

Notes, Drawings and Documentation
Data Sheet Teldor BUS cables v12

Catalogue Offshore Rev.2023

TELDOR Test Report No.36 (P/N 9MGD240129-VER3) Particular Sheathing dated 06/02/2014

TELDOR Test Report No.36 (P/N 9MGD241239-VER3) Particular Sheathing dated 07/02/2014

BRE Global Test Report No. P100530-1 Issue 1 for IEC60754 SHF1 dated 1 July 2015

TELDOR Test Report No. 9DNV026101 for Mud Resistance dated 23 January 2014

TELDOR Test Report No. P/N 7MGF032108 for Nek 606: 2016 dated 15 July 2019

TELDOR Inspection / Factory Acceptance Test for RS485 SFTP SHF2 dated 2018-01-11

TELDOR Test Report No.7MG0016101 for RS485 Shielded SHF2 dated 2018-01-11

TELDOR Test Report No.7MG0116101 for DeviceNet Armored SHF1 dated 2018-01-11

TELDOR Test Report No.7MG0004129 dated 2014-09-01

TELDOR Test Report No.7MG0005129 dated 2014-09-01

TELDOR Test Report No.7MG0006129 dated 2014-09-01

TELDOR Test Report No.7MG0003108 dated 2025-07-14

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TELDOR Test Report No.7MG0028101 dated 2025-07-15

TELDOR Test Report No.7MG0037129 dated 2025-07-14

TELDOR Test Report No.7MG0206101 dated 2025-07-15

TELDOR Test Report No.7MGF024101 dated 2025-07-15

CEIS Test Report No. CEL-0628-25-1 Fluorine Emission dated 25/06/2025

CEIS Test Report No. CEL-0629-25-1 Ozone Resistance dated 07/07/2025

CEIS Test Report No. CEL-0630-25-1 Halogen Free PH Conductivity dated 09/07/2025

TELDOR Test Report MUD-Resistance per NEK 606-2025 dated 01/07/2025

BASEC Test Report No. NAC417 EN50200 dated 14/07/2022

Term of Validity
This Product Design Assessment (PDA) Certificate remains valid until 17/Dec/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
2025 Rules for Conditions of Classification, 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2025 Marine Vessels Rules 4-8-3/9

2025 Rules for Conditions of Classification – Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following:

2025 Mobile Offshore Unit Rules, 4-3-4/7

2025 Facilities on Offshore Installations Rules 3-6/13

International Standards
IEC 60092-350 Edition 5.0 (2020-01)

IEC 60092-353 Edition 5.0 (2024-06)

IEC 60092-360 Edition 2.0 (2021-01)

IEC 60092-376 Edition 4.0 (2025-04)

IEC 60332-1-1 Edition 1.1 (2015-07)

IEC 60332-1-2 Edition 2.0 (2025-06)

IEC 60332-1-3 Edition 1.1 (2015-07)

IEC 60332-3-22 Edition 2.0 (2018-07)

IEC 60332-3-24 Edition 2.0 (2018-07)

IEC 60754-1 Edition 3.0 (2019-11)

IEC 60754-2 Edition 2.0 (2019-11)

IEC 61034-1 Edition 3.2 (2019-11)

IEC 61034-2 Edition 3.2 (2019-11)

IEC 60331-21 Edition 1.0 (1999-04)

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IEC 60331-23 Edition 1.0 (1999-04)

IEC 60228 Edition 4.0 (2023-12)

IEC 60811-403 Edition 1.0 (2012-03) Ozone Resistance

IEC 60684-2 Edition 4.0 (2025-05) Fluorine Emission

IEC 61156-1 Edition 4.0 (2023-03)

IEC 61156-5 Edition 3.0 (2020-04)

IEC 61158-1 Edition 3.0 (2023-03)

IEC 61158-2 Edition 7.0 (2023-03)

IEC 60189-1 Edition 4.0 (2018-06)

TIA-485 Edition 1.0 (1998-03)

EN50200 Edition 2.0 (2015-12

EU-MED Standards
NA

National Standards
NEK TS 606: 2025

Government Standards
NA

Other Standards
NA

Corporate ABS Programs
American Bureau of Shipping
Print Date and Time: 08-Jul-2026 7:17

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

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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.

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