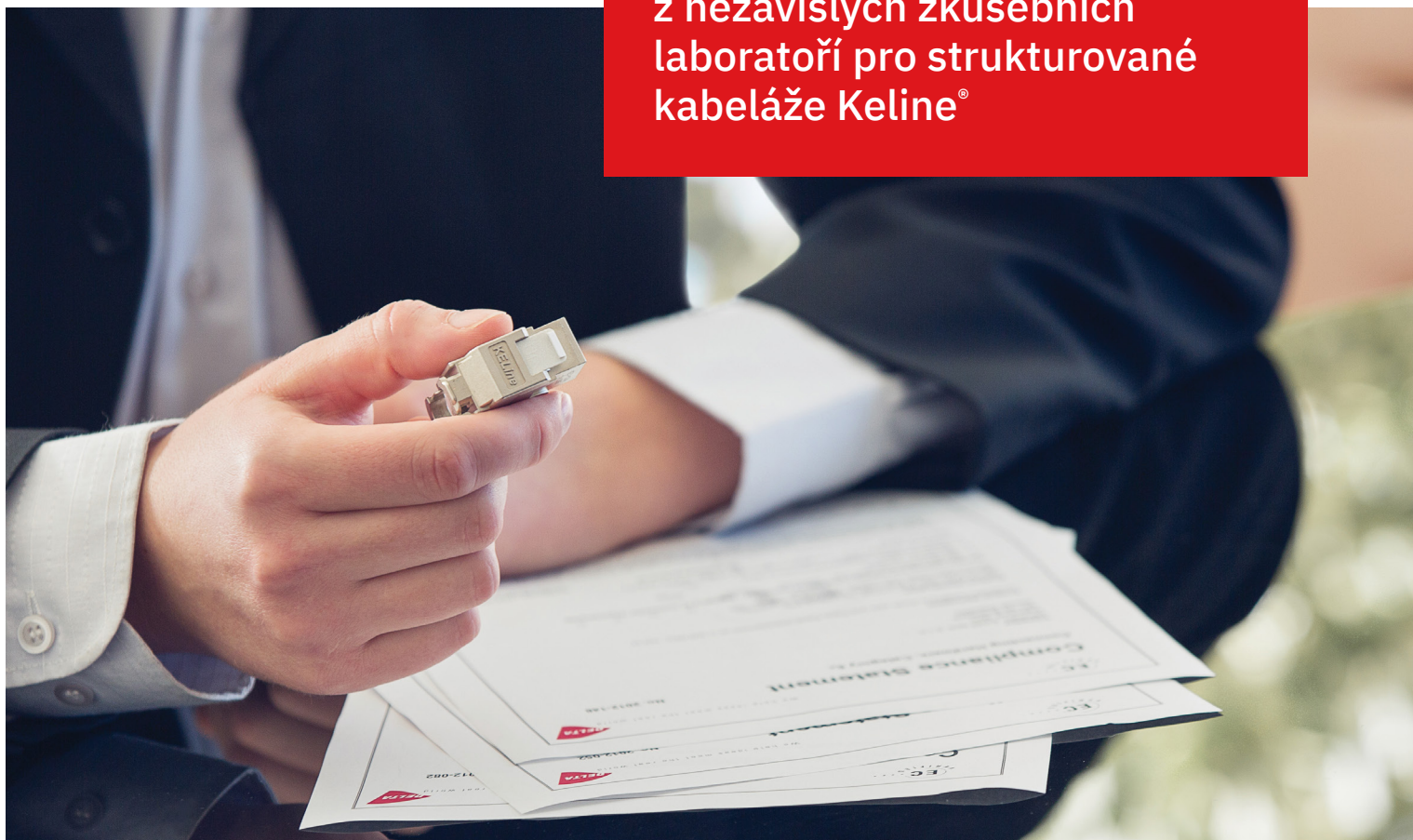


KELINE

Soubor certifikátů

z nezávislých zkušebních
laboratoří pro strukturované
kabeláže Keline®



Keline® komponenty Cat. 6_A, Cat. 7

- Instalační kabel, Category 6_A, 550 MHz, (B2_{ca}, D_{ca}, Outdoor)
- Instalační kabel, Category 7, 1000 MHz, (B2_{ca}, D_{ca})
- Keystone modul, patch panely, Category 6_A
- Keystone modul, HD, Category 6_A
- Patch kabel, Category 6_A

FORCE Technology
FORCE Technology
FORCE Technology
GHMT
FORCE Technology

Postup při vyhodnocování certifikátů

Zkontrolujte na webových stránkách zkušebny*, která certifikát vystavila **jestli nejde o certifikát vytvořený nebo upravený například ve photoshopu.**

Na certifikátu zkontrolujte:



Compliance Statement

No. 2022-124A

Data communication cable, Category 6A

Company
KRUGEL EXIM spol s r.o.
Rybničná 38/H
831 06 Bratislava
Slovakia

Product description
Screened cable (U/FTP) characterised up to 500 MHz
Horizontal floor wiring cable, 100 Ω
4 individually screened twisted pairs
Flame retardant, halogen free

Product identification
KELine 10Giga 550MHz, STP 4x2xAWG23 Cat.6A, LSOH
Part number: KE550HS23/1E

Generic cabling and cabling components standards - Category 6A cable requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 61156-5:2020 (Ed. 3.0)
- EN 50173-1:2018 / EN 50173-2:2018
- EN 50288-11-1:2012
- TIA-568.2-D:2018

Standards for flammability, halogen acidity, and smoke performance

- IEC 60332-1-1:2015 (Ed. 1.1) / IEC 60332-1-2:2015 (Ed. 1.1)
- IEC 60754-2:2019 (Ed. 2.1)
- IEC 61034-1:2019 (Ed. 3.2) / IEC 61034-2:2019 (Ed. 3.2)

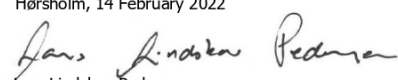
Technical report
12223093-01, DANAK-19/22523

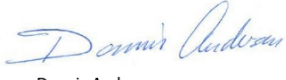
EC Cabling product ID
6217

CS valid until
1 March 2023

This product has been tested by FORCE Technology and complies with the requirements of the above specified standards and "Terms and conditions for the EC VERIFIED programme for Generic and Coaxial Cabling", DQP231006. The product takes part in a maintenance schedule, which implies that FORCE Technology performs a quality audit of the manufacturer's production and QA sites. The maintenance testing of the product is performed on a sample basis. This compliance statement has been revised, original issue date 14 February 2022.

Hørsholm, 14 February 2022


Lars Lindskov Pedersen
Test Manager


Dennis Andersen
Head of Department



FORCE Technology
Venlighedsvej 4
2970 Hørsholm
Denmark
Tel. +45 43 25 14 00
lan.forcetechnology.com

jestli je Váš dodavatel oficiálním distribučním kanálem, který zabezpečí podporu a záruky poskytované výrobcem

jestli se zakoupený produkt shoduje s produktem uvedeným v certifikátu (výrobní značení na produktu nebo jeho obalu a výrobní kód v certifikátu)

jestli byl produkt testovaný dle současných platných norem **

jestli je certifikát stále platný

jestli je kvalita sériově vyráběných produktů pod stálým dohledem zkušebny nebo jde o jednorázový test dodaného vzorku

* <https://lan.forcetechnology.com/en/customers/krugel-exim-spol-s-r-o/>
<https://typeapproval.ghmt.de/index.php/ta-pub>

** **ISO/IEC 11801:2017 (Ed.1.0)** - Mezinárodní norma definující základní požadavky na strukturovanou kabeláž
TIA-568.2-D:2018 - Americká národní norma definující požadavky na strukturovanou kabeláž



Compliance Statement

Screened Category 6A ISO/IEC, EN & ANSI/TIA Communication Cable

Identification: P/N KE550HS23/1E

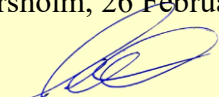
**Cat. 6A, Overall Unscreened Cable with Foil Screened Twisted Pairs
100 Ω , 4 Twisted Pairs, 23 AWG, Flame Retardant, LSHF, Copper Communication Cable**

**KRUGEL EXIM, spol. s r.o.
Pri majeri 13,
831 06 Bratislava, Slovak Republic**

Compliance Statement No. 0019-3P-2026-320

This Screened ISO/IEC, EN & ANSI/TIA Communication Cable has been tested by FORCE Technology under the 3P maintenance programme and complies with the Category 6A performance requirements of edition 1.0 of ISO/IEC 11801-1:2017, CENELEC EN 50173-1:2018, the Category 6A requirements of ANSI/TIA-568.2-E:2024, the requirements of CENELEC EN 50288-10-1:2013, and the requirements of edition 3.0 of IEC 61156-5:2020. Flame retardancy is verified according to EN 60332-1-2 / IEC 60332-1-2, EN 61034-2 / IEC 61034-2 and EN 60754-2 / IEC 60754-2. The Compliance Statement may be suspended or withdrawn if the cable fails to pass Maintenance Testing performed at 6 or 12 month intervals. The Compliance Statement is valid until 26 February 2027.

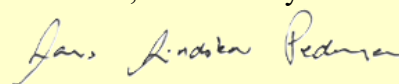
Hoersholm, 26 February 2026



Peter Freiberg Kaas
Senior Specialist, Test Manager

FORCE Technology
Venlighedsvej 4
2970 Hørsholm
Denmark
Tel. +45 43 25 14 00
<https://www.3ptest.dk/>

Hoersholm, 26 February 2026



Lars Lindskov Pedersen
Senior Team Leader, Test Manager

Compliance Statement

No. 2026-114

Data communication cable, Category 7

Company

KRUGEL EXIM spol. s r.o.
Pri majeri 13
831 06 Bratislava
Slovakia

Product description

Screened cable (S/FTP) characterised up to 1000 MHz*
Horizontal floor wiring cable, 100 Ω
4 individually foil screened twisted pairs with overall braid screen
Flame retardant, halogen free

Product identification

Keline 10Giga 1000MHz, S/FTP, 4x2xAWG23 Cat.7, LSOH
Part number: KE1000HS23

Generic cabling and cabling components standards - Category 7 cable requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 61156-5:2020 (Ed. 3.0)
- EN 50173-1:2018 / EN 50173-2:2018
- EN 50288-4-1:2013

Standards for flammability, halogen acidity, and smoke performance

- IEC 60332-1-1:2015 (Ed. 1.1) / IEC 60332-1-2:2025 (Ed. 2.0)
- IEC 60754-2:2019 (Ed. 2.1)
- IEC 61034-1:2019 (Ed. 3.2) / IEC 61034-2:2019 (Ed. 3.2)

Technical report

12623122, DANAK-19/25518

EC Cabling product ID

8195

CS valid until

1 March 2027

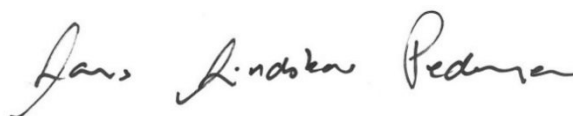
*Transmission parameters comply with extended Cat. 7 limits up to 1000 MHz.

This product has been tested by FORCE Technology and complies with the requirements of the above specified standards and "Terms and conditions for the EC VERIFIED programme for Generic and Coaxial Cabling", DQP231006. The product takes part in a maintenance schedule, which implies that FORCE Technology performs a quality audit of the manufacturer's production and QA sites. The maintenance testing of the product is performed on a sample basis.

Hørsholm, 5 February 2026



Nis Jepsen
Specialist, Project Manager



Lars Lindskov Pedersen
Senior Team Leader, Test Manager



Compliance Statement

No. 2026-591

Connecting Hardware, Category 6A

Including 4 Pair Power over Ethernet (4PPoE)

(Un-mating connectors under electrical load of up to 2 A per conductor)

Company

KRUGEL EXIM spol. s r.o.
Pri majeri 13
831 06 Bratislava
Slovak Republic

Product description

Screened Category 6A RJ45 Jack and Patch Panel characterised up to 500 MHz, 100 Ω

Product identification

KELine RJ45 Jack. Part number: KEJ-C6A-S-10G
KELine Patch Panel. Part number: KEP-C6A-S-10G
KELine Patch Panel. Part number: KEP-C6A-S-10G-NP

Generic cabling and cabling components standards - Category 6A connector requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- IEC 60603-7-51:2010 (Ed.1.0)
- EN 50173-1:2018 / EN 50173-2:2018
- TIA-568.2-E:2024
- IEC 60512-99-002:2022

including all connector alien crosstalk parameters (PS ANEXT and PS AFEXT)

Technical report

12625235, DANAK-19/25738

EC Cabling product ID

5113

CS valid until

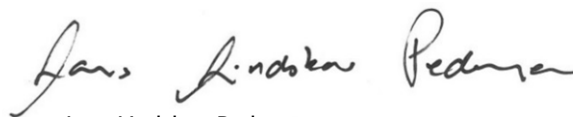
1 June 2027

This product has been tested by FORCE Technology and complies with the electrical requirements of the above specified standards and "Terms and conditions for the EC VERIFIED programme for Generic and Coaxial Cabling", DQP231006. The testing included measurement of NEXT with a compliant test plug and calculation of all the 14 test cases in both measurement directions. The product takes part in a maintenance of certification schedule, which implies that FORCE Technology performs a quality audit of the manufacturer's production and QA sites. The maintenance testing of the product is performed on a sample basis once a year.

Hørsholm, 29 April 2026



Nis Jepsen
Specialist, Project Manager



Lars Lindskov Pedersen
Senior Team Leader, Test Manager



Certificate

No. c9252a-25

Customer:

Krugel Exim spol. s r.o.
Pri majeri 13
831 06 Bratislava 35, Slovakia

Category 6A

Test sample(s):

Connecting hardware:
Keline® RJ-45 Keystone Cat.6A
Part no.: KEJ-C6A-S-HD

Applied standard(s):

ISO/IEC 11801-1 Ed.1.0 (2017-11)
DIN EN 50173-1 (2018-10)
ANSI/TIA-568.2-D (2018-09)
IEC 60603-7-51 Ed.1.0 (2010-03)

Result(s):

The sample meets the limits of the specified standards and regulations with respect to the parameters indicated above.

Connecting hardware, Copper, Category 6A

GHMT Type Approval

The test results which were determined in the course of the measurement refer to the submitted specimen. Any future technical modifications of the verified products are subject to the responsibility of the manufacturer.

This Certificate refers to the comprehensive test report no. **R9252a-25** and shall only be applicable in conjunction with the test report. This certificate is valid 24 months after date of testing.

Bexbach, 19. February 2025



Dirk Wilhelm, engineer
(Chairman of the Managing Board)



*Test laboratory accredited by DAkkS in accordance with DIN EN ISO/IEC 17025:2018.
The accreditation is valid for the test methods listed in certificate D-PL-17559-01-00.*

GHMT AG

In der Kolling 320
66450 Bexbach / Germany

P.O. box 11 16
66442 Bexbach / Germany

T: +49 6826 92 28-0
F: +49 6826 92 28-290

info@ghmt.de
www.ghmt.de

**RELIABILITY IN TOTAL
REQUIRES ACCURACY IN DETAIL.**

Compliance Statement

No. 2026-212

Data communication cords, Category 6A

Company

KRUGEL EXIM spol. s r.o.
Pri majeri 13
831 06 Bratislava
Slovak Republic

Product description

Screened Category 6A RJ45 cords (equipment, patch, and work area) characterised up to 500 MHz

Product identification

Keline 10Giga patch cables STP Cat.6A, LS0H
Part number: KEL-C6A-P-xxx (xxx: denotes length in dm)

Generic cabling and cabling components standard - Category 6A balanced cord requirements

- ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
- EN 50173-1:2018 / EN 50173-2:2018
- TIA-568.2-E:2024
- IEC 61935-2:2022 (Ed. 4.0) (transmission requirements)

Technical report

12533424-01, DANAK-19/25410

EC Cabling product ID

5008

CS valid until

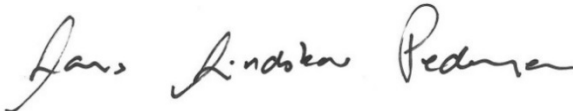
1 March 2027

This product has been tested by FORCE Technology and complies with the electrical requirements of the above specified standards and "Terms and conditions for the EC VERIFIED programme for Generic and Coaxial Cabling", DQP231006. The product takes part in a maintenance of certification schedule, which implies that FORCE Technology performs a sample test of the product once a year.

Hørsholm, 18 February 2026



Nis Jepsen
Specialist, Project Manager



Lars Lindskov Pedersen
Senior Team Leader, Test Manager

