



# SLOVENSKI STANDARD

## SIST EN IEC 60794-1-301:2023

01-julij-2023

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**Optični kabli - 1-301. del: Splošna specifikacija - Osnovni preskusni postopki za optične kable - Preskusne metode za kabelske elemente - Upogibni preskus, metoda G1 (IEC 60794-1-301:2023)**

Optical fibre cables - Part 1-301: Generic specification - Basic optical cable test procedures - Cable elements test methods - Bend test, Method G1 (IEC 60794-1-301:2023)

Lichtwellenleiterkabel - Teil 1-301: Fachgrundspezifikation - Grundlegende Prüfverfahren für Lichtwellenleiterkabel - Prüfverfahren für Kabelelemente - Biegeprüfung, Verfahren G1 (IEC 60794-1-301:2023)

Câbles à fibres optiques - Partie 1-301: Spécification générique - Procédures fondamentales d'essai des câbles optiques - Méthodes d'essai des éléments de câbles - Essai de courbure, méthode G1 (IEC 60794-1-301:2023)

**Ta slovenski standard je istoveten z: EN IEC 60794-1-301:2023**

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**ICS:**

33.180.10 (Optična) vlakna in kabli Fibres and cables

**SIST EN IEC 60794-1-301:2023 en**



EUROPEAN STANDARD

**EN IEC 60794-1-301**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2023

ICS 33.180.10

Supersedes EN IEC 60794-1-23:2019 (partially)

English Version

**Optical fibre cables - Part 1-301: Generic specification - Basic  
optical cable test procedures - Cable elements test methods -  
Bend test, method G1  
(IEC 60794-1-301:2023)**

Câbles à fibres optiques - Partie 1-301: Spécification  
générique - Procédures fondamentales d'essai des câbles  
optiques - Méthodes d'essai des éléments de câbles - Essai  
de courbure, méthode G1  
(IEC 60794-1-301:2023)

Lichtwellenleiterkabel - Teil 1-301: Fachgrundspezifikation -  
Grundlegende Prüfverfahren für Lichtwellenleiterkabel -  
Prüfverfahren für Kabelelemente - Biegeprüfung, Verfahren  
G1  
(IEC 60794-1-301:2023)

This European Standard was approved by CENELEC on 2023-05-10. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN IEC 60794-1-301:2023 (E)****European foreword**

The text of document 86A/2298/FDIS, future edition 1 of IEC 60794-1-301, prepared by SC 86A "Fibres and cables" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60794-1-301:2023.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2024-02-10
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-05-10

This document partially supersedes EN IEC 60794-1-23:2019 and all of its amendments and corrigenda (if any).

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**Endorsement notice**

The text of the International Standard IEC 60794-1-301:2023 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

IEC 60794-1-21:2015 NOTE Approved as EN 60794-1-21:2015 (not modified)

IEC 60794-1-23:2019 NOTE Approved as EN IEC 60794-1-23:2019 (not modified)

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cencenelec.eu](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-1-46	-	Optical fibres - Part 1-46: Measurement methods and test procedures - Monitoring of changes in optical transmittance	EN 60793-1-46	-
IEC 60794-1-2	-	Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance	EN IEC 60794-1-2	-

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IEC 60794-1-301

Edition 1.0 2023-04

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Optical fibre cables – Part 1-301: Generic specification – Basic optical cable test procedures – Cable elements test methods – Bend test, method G1**

**Câbles à fibres optiques – Partie 1-301: Spécification générique – Procédures fondamentales d'essai des câbles optiques – Méthodes d'essai des éléments de câbles – Essai de courbure, méthode G1**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## OPTICAL FIBRE CABLES –

**Part 1-301: Generic specification – Basic optical cable test procedures –  
Cable elements test methods – Bend test, method G1**

## FOREWORD

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IEC 60794-1-301 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics. It is an International Standard.

This document partially cancels and replaces IEC 60794-1-23:2019.

This edition includes the following significant technical changes with respect to IEC 60794-1-23:2019:

- a) reference test method IEC 60793-1-40 removed regarding the apparatus;
- b) information added regarding the temperature to be specified in the detail specification;
- c) new subclause added containing the details to be reported.

The text of this International Standard is based on the following documents:

Draft	Report on voting
86A/2298/FDIS	86A/2318/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

A list of all parts in the IEC 60794 series, published under the general title *Optical fibre cables*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under [webstore.iec.ch](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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