



SLOVENSKI STANDARD
oSIST prEN IEC 60794-1-303:2022

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Nadomešča:

SIST EN IEC 60794-1-23:2020

Optični kabli - 1-303. del: Splošna specifikacija - Osnovni preskusni postopki za optične kable - Preskusne metode za kabelske elemente - Mere odprtine - Metoda G3

Optical fibre cables - Part 1-303: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon dimensions - Aperture gauge, Method G3

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Câbles à fibres optiques - Partie 1-303: Spécification générique - Procédures fondamentales d'essai des câbles optiques - Dimensions des rubans - Gabarit d'ouverture, méthode G3

Ta slovenski standard je istoveten z: prEN IEC 60794-1-303:2022

ICS:

33.180.10 (Optična) vlakna in kabli Fibres and cables

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86A/2199/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

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IEC SC 86A : FIBRES AND CABLES	
SECRETARIAT: France	SECRETARY: Mr Laurent Gasca
OF INTEREST TO THE FOLLOWING COMMITTEES:	PROPOSED HORIZONTAL STANDARD: <input type="checkbox"/> Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY	
<input checked="" type="checkbox"/> SUBMITTED FOR CENELEC PARALLEL VOTING	<input type="checkbox"/> NOT SUBMITTED FOR CENELEC PARALLEL VOTING
<p>Attention IEC-CENELEC parallel voting</p> <p>The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting.</p> <p>The CENELEC members are invited to vote through the CENELEC online voting system.</p>	

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Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

TITLE:

Optical fibre cables - Part 1-303: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon dimensions - Aperture gauge, Method G3

PROPOSED STABILITY DATE: 2025

NOTE FROM TC/SC OFFICERS:

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE CABLES

Part 1-303: Generic specification
– Basic optical cable test procedures
– Ribbon dimensions – Aperture gauge, method G3

FOREWORD

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International Standard IEC 60794-1-303 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This first edition of IEC 60794-1-303 cancels and replaces Method G11B of the second edition of IEC 60794-1-23:2019. Accordingly, it partially cancels and replaces IEC 60794-1-23:2019. It includes an editorial revision, based on the new structure and numbering system for optical cable test methods.

The optical cable element test methods contained in IEC 60794-1-23: 2019 will now be individually numbered in the IEC 60794-1-3xx series. Each test method is now considered to be an individual document rather than part of a multi-test method compendium. Full cross-reference details are given in IEC 60794-1-1.

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

CDV	Report on voting

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75 Full information on the voting for the approval of this International Standard can be found in the
76 report on voting indicated in the above table.

77 This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

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

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

- 83 • reconfirmed,
- 84 • withdrawn,
- 85 • replaced by a revised edition, or
- 86 • amended.

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OPTICAL FIBRE CABLES

Part 1-303: Generic specification – Basic optical cable test procedures – Ribbon dimensions – Aperture gauge, method G3

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97 1 Scope

98 This part of IEC 60794 describes test procedures to be used in establishing uniform
99 requirements for the geometrical properties of optical fibre ribbons.

100 This document applies to optical fibre ribbons for use with telecommunication equipment and
101 devices employing similar techniques, and to optical fibre ribbons for cables having a
102 combination of both optical fibres and electrical conductors.

103 2 Normative references

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

108 IEC 60794-1-2, *Optical fibre cables – Part 1-2: Generic specification – Basic optical cable test*
109 *procedures – General guidance*

110 IEC 60794-1-31:2021, *Optical fibre cables – Part 1-31: Generic specification – Optical cable*
111 *elements – Optical fibre ribbon*

112 3 Terms and definitions

113 No terms and definitions are listed in this document.

114 ISO and IEC maintain terminological databases for use in standardization at the following
115 addresses:

- 116 • IEC Electropedia: available at <http://www.electropedia.org/>
- 117 • ISO Online browsing platform: available at <http://www.iso.org/obp>

118 4 General requirements

119 IEC 60794-1-2 is the reference guide to this test method. It shall be considered for general
120 requirements and definitions.

121 5 Method G3: Ribbon dimensions – Visual method

122 5.1 Object

123 The purpose of this test is to verify the functional performance of a ribbon. In order to ensure
124 functional performance, the dimensions of ribbons may be controlled and verified for final
125 inspection purposes with an aperture gauge. The intent is to verify that the end portion of a
126 ribbon can be inserted into and would be reasonably aligned to the guide slots of
127 commercial stripping tools.