SLOVENSKI STANDARD
oSIST prEN IEC 60794-1-308:2022

01-oktober-2022

Optični kabli - 1-308. del: Splošna specifikacija - Osnovni preskusni postopki za optične kable - Preskusne metode za kabelske elemente - Preskus s preostalim zasukom ploščatega kabla, G8

Optical fibre cables - Part 1-308: Generic specification - Basic optical cable test procedures - Cable element test methods - Ribbon residual twist test, G8

Câbles à fibres optiques - Partie 1-308: Spécification générique - Procédures fondamentales d'essai des câbles optiques - Méthodes d'essai des éléments de câbles - Essai de torsion résiduelle du ruban, G8

Ta slovenski standard je istoveten z: **prEN IEC 60794-1-308:2022**

ICS:

33.180.10	(Optična) vlakna in kabli	Fibres and cables

oSIST prEN IEC 60794-1-308:2022 **en**

86A/2215/CDV

COMMITTEE DRAFT FOR VOTE (CDV)

PROJECT NUMBER:	
IEC 60794-1-308 ED1	
DATE OF CIRCULATION:	CLOSING DATE FOR VOTING:
2022-07-15	**2022-10-07**
SUPERSEDES DOCUMENTS:	
86A/2206/CC	

IEC SC 86A : FIBRES AND CABLES	
SECRETARIAT: France	SECRETARY: Mr Laurent Gasca
OF INTEREST TO THE FOLLOWING COMMITTEES:	PROPOSED HORIZONTAL STANDARD: ☐ Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.

FUNCTIONS CONCERNED:

☐ EMC ☐ ENVIRONMENT ☐ QUALITY ASSURANCE ☐ SAFETY

☒ SUBMITTED FOR CENELEC PARALLEL VOTING	☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING
Attention IEC-CENELEC parallel voting 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. The CENELEC members are invited to vote through the CENELEC online voting system.	

This document is still under study and subject to change. It should not be used for reference purposes.

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 1-308: Generic specification - Basic optical cable test procedures - Cable element test methods – Ribbon residual twist test, G8

PROPOSED STABILITY DATE: 2025

NOTE FROM TC/SC OFFICERS:

CONTENTS

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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OPTICAL FIBRE CABLES

Part 1-308: Generic specification – Basic optical cable test procedures – Cable element test methods– Ribbon residual twist test, G8

FOREWORD

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International Standard IEC 60794-1-308 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This first edition of IEC 60794-1-308 cancels and replaces Method G8 of the first edition of IEC 60794-1-23:2019, which is withdrawn. It includes an editorial revision, based on the new structure and numbering system for optical fibre test methods.

There are no specific technical changes with respect to Method G8 of the first edition of IEC 60794-1-23:2019.

The 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 60794-1-2.

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

CDV	Report on voting

86A/XXXX/CDV	86A/XXXX/RVC

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

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

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 "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.

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

OPTICAL FIBRE CABLES-

Part 1-308: Generic specification - Basic optical cable test procedures - Cable element test methods–Ribbon residual twist test, G8

1 Scope

This part of IEC 60794 describes test procedures to evaluates the degree of permanent twist in an uncabled ribbon or in a cabled optical fibre ribbon.

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

Optical fibre ribbons in this file don't include partially-bonded type. The method for partially-bonded ribbons is under consideration.

Throughout the document, the wording "optical cable" can also include optical fibre units, microduct fibre units, etc.

NOTE The environmental testing of optical fibre ribbon would be valuable for some applications. Useful information about suitable test methods can be found in the optical fibre standards IEC 60793-1-50, IEC 60793-1-51, IEC 60793-1-52, and IEC 60793-1-53.

2 Normative references

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.

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

3 Terms and definitions

No terms and definitions are listed in this document.

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

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

4 General requirements

IEC 60794-1-2 is the reference guide to test methods of all types. It shall be considered for general requirements and definitions.

5 Sample

To evalueate the degree of permanent twist in a cabled ribbon, ribbon samples shall be taken from a preconditioned (aged) test cable.

To evalueate the degree of permanent twist in an uncabled ribbon, ribbon samples shall be taken from a preconditioned (aged) test uncabled ribbon.

The samples shall be of a length sufficient to include the gauge length of 50 cm and additional length on each end to facilitate attachment of clamps and the test weight.