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Optokablar – Del 1-24: Artspecifikation – Grundläggande provningsmetoder – Elektrisk provning

*Optical fibre cables –
Part 1-24: Generic specification –
Basic optical cable test procedures –
Electrical test methods*

Som svensk standard gäller europastandarden EN 60794-1-24:2014. Den svenska standarden innehåller den officiella engelska språkversionen av EN 60794-1-24:2014.

Nationellt förord

Europastandarden EN 60794-1-24:2014

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 60794-1-24, First edition, 2014 - Optical fibre cables - Part 1-24: Generic specification - Basic optical cable test procedures - Electrical test methods**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 60794-1-2, utgåva 2, 2003, gäller ej fr o m 2017-06-17.

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English Version

**Optical fibre cables - Part 1-24: Generic specification - Basic
optical cable test procedures - Electrical test methods
(IEC 60794-1-24:2014)**

Câbles à fibres optiques - Partie 1-24: Spécification
générique - Méthodes fondamentales d'essais applicables
aux câbles optiques - Procédures - Méthodes d'essais
électriques
(CEI 60794-1-24:2014)

Lichtwellenleiterkabel - Teil 1-24: Fachgrundspezifikation -
Grundlegende Prüfverfahren für Lichtwellenleiterkabel -
Elektrische Prüfverfahren
(IEC 60794-1-24:2014)

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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: Avenue Marnix 17, B-1000 Brussels

Foreword

The text of document 86A/1591/FDIS, future edition 1 of IEC 60794-1-24, 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 60794-1-24:2014.

The following dates are fixed:

- latest date by which the document has to be (dop) 2015-03-17
implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2017-06-17
standards conflicting with the
document have to be withdrawn

This document supersedes EN 60794-1-2:2003 (partially).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 60794-1-24:2014 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 standards indicated:

IEC 60794-1-2:2003 ¹⁾	NOTE	Harmonized as EN 60794-1-2:2003 ²⁾ (not modified).
IEC 60794-1-20	NOTE	Harmonized as EN 60794-1-20.

¹⁾ Withdrawn.

²⁾ Superseded by EN 60794-1-22:2012, EN 60794-1-23:2012, EN 60794-1-2:2014, EN 60794-1-20:2014, EN 60794-1-24:2014 and the future EN 60794-1-21.

CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Method H1: Short-circuit test (for OPGW and OPAC).....	5
3.1 Object.....	5
3.2 Sample	5
3.2.1 OPGW testing.....	5
3.2.2 OPAC testing.....	6
3.3 Apparatus	6
3.4 Procedure.....	7
3.4.1 OPGW testing.....	7
3.4.2 OPAC testing.....	7
3.4.3 Common procedure for OPGW and OPAC	8
3.5 Requirements	8
3.6 Details to be specified.....	8
3.6.1 OPGW testing.....	8
3.6.2 OPAC testing.....	8
4 Method H2: Lightning test method for optical aerial cables along electric power lines (OPGW and OPAC).....	8
4.1 Object.....	8
4.2 General.....	9
4.3 Sample	9
4.4 Apparatus	9
4.5 Procedure.....	10
4.6 Requirements	10
4.7 Details to be specified.....	10
5 Method H3 – Electrical continuity test of cable metallic elements.....	10
5.1 Object.....	10
5.2 Sample	10
5.3 Apparatus	10
5.4 Procedure.....	11
5.5 Requirements	11
5.6 Details to be specified.....	11
Bibliography.....	12
Figure 1 – OPGW short-circuit test arrangement.....	6
Figure 2 – OPAC short-circuit test arrangement.....	7
Figure 3 – Lightning test arrangement.....	9
Table 1 – Test parameters	10

INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE CABLES –**Part 1-24: Generic specification –
Basic optical cable test procedures –
Electrical test methods**

FOREWORD

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International Standard IEC 60794-1-24 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This edition of IEC 60794-1-24 cancels and replaces the electrical tests methods section of the second edition of IEC 60794-1-2, published in 2003 (and subsequently replaced by the third edition). It constitutes a technical revision.

It has been decided to split the second edition of IEC 60794-1-2 into six new documents:

- IEC 60794-1-2 : Cross reference table
- IEC 60794-1-20 : General and definitions
- IEC 60794-1-21 : Mechanical tests
- IEC 60794-1-22 : Environmental tests

- IEC 60794-1-23 : Cable elements
- IEC 60794-1-24 : Electrical tests

The text of this standard is based on the following documents:

FDIS	Report on voting
86A/1591/FDIS	86A/1606/RVD

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

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

A list of all the 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 publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

A bilingual version of this publication may be issued at a later date.

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.

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1 Scope

This part of IEC 60794 applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors.

The object of this standard is to define test procedures to be used in establishing uniform requirements for electrical requirements.

Throughout the standard the wording “optical cable” may also include optical fibre units, microduct fibre units, etc.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

Void.