

# SLOVENSKI STANDARD

## SIST EN 60794-1-22:2012

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**Optični kabli - 1-22. del: Splošne specifikacije - Osnovni preskusni postopki za optične kable - Okoljske preskusne metode (IEC 60794-1-22:2012)**

Optical fibre cables - Part 1-22: Generic specification - Basic optical cable test procedures - Environmental test methods (IEC 60794-1-22:2012)

Lichtwellenleiterkabel - Teil 1-22: Fachgrundspezifikation - Grundlegende Prüfverfahren für Lichtwellenleiterkabel - Prüfverfahren zur Umweltprüfung (IEC 60794-1-22:2012)

Câbles à fibres optiques - Partie 1-22: Spécification générique - Procédures fondamentales d'essais des câbles optiques - Méthodes d'essai d'environnement (CEI 60794-1-22:2012)

**Ta slovenski standard je istoveten z: EN 60794-1-22:2012**

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33.180.10 (Optična) vlakna in kabli Fibres and cables

**SIST EN 60794-1-22:2012**

**en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60794-1-22**

August 2012

ICS 33.180.10

Supersedes EN 60794-1-2:2003 (partially)

English version

**Optical fibre cables -  
Part 1-22: Generic specification -  
Basic optical cable test procedures -  
Environmental test methods  
(IEC 60794-1-22:2012)**

Câbles à fibres optiques -  
Partie 1-22 : Spécification générique -  
Procédures fondamentales d'essais des  
câbles optiques -  
Méthodes d'essai d'environnement  
(CEI 60794-1-22:2012)

Lichtwellenleiterkabel -  
Teil 1-22: Fachgrundspezifikation -  
Grundlegende Prüfverfahren für  
Lichtwellenleiterkabel -  
Prüfverfahren zur Umweltprüfung  
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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 86A/1424/CDV, future edition 1 of IEC 60794-1-22, 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 60794-1-22:2012.

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) 2013-04-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-07-17

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

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## Annex ZA (normative)

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

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-14	2009	Environmental testing - Part 2-14: Tests - Test N: Change of temperature	EN 60068-2-14	2009
IEC 60304	-	Standard colours for insulation for low- frequency cables and wires	HD 402 S2	-
IEC 60544-1	-	Electrical insulating materials - Determination of the effects of ionizing radiation - Part 1: Radiation interaction and dosimetry	EN 60544-1	-
IEC 60793-1-40	-	Optical fibres - Part 1-40: Measurement methods and test procedures - Attenuation	EN 60793-1-40	-
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 60793-1-54	-	Optical fibres - Part 1-54: Measurement methods and test procedures - Gamma irradiation	EN 60793-1-54	-
IEC 60794-1-1	-	Optical fibre cables - Part 1-1: Generic specification - General	EN 60794-1-1	-
IEC 60794-1-2	-	Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures	EN 60794-1-2	-
IEC 60811-502	-	Electric and optical fibre cables - Test methods for non-metallic materials - Part 502: Mechanical tests - Shrinkage test for insulations	EN 60811-502	-
IEC 60811-503	-	Electric and optical fibre cables - Test methods for non-metallic materials - Part 503: Mechanical tests - Shrinkage test for sheaths	EN 60811-503	-
ISO 4892-2	-	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps	EN ISO 4892-2	-
ISO 4892-3	-	Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps	EN ISO 4892-3	-

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# INTERNATIONAL STANDARD



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**Optical fibre cables –  
Part 1-22: Generic specification – Basic optical cable test procedures –  
Environmental test methods**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## OPTICAL FIBRE CABLES –

**Part 1-22: Generic specification –  
Basic optical cable test procedures –  
Environmental test methods**

## FOREWORD

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International Standard IEC 60794-1-22 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This edition of IEC 60794-1-22 cancels and replaces the environmental tests part of the second edition of IEC 60794-1-2 published in 2003. 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, *Optical fibre cables – Part 1-2: Generic specification – Basic optical cable test procedures*
- IEC 60794-1-20, *Optical fibre cables – Part 1-20: Generic specification – Basic optical cable test procedures – General and definitions*
- IEC 60794-1-21, *Optical fibre cables – Part 1-21: Generic specification – Basic optical cable test procedures – Mechanical tests methods*

- IEC 60794-1-22, *Optical fibre cables – Part 1-22: Generic specification – Basic optical cable test procedures – Environmental tests methods*
- IEC 60794-1-23, *Optical fibre cables – Part 1-23: Generic specification – Basic optical cable test procedures – Cable elements tests methods*
- IEC 60794-1-24, *Optical fibre cables – Part 1-24: Generic specification – Basic optical cable test procedures – Electrical tests methods*

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

CDV	Report on voting
86A/1424/CDV	86A/1445/RVC

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

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