



SLOVENSKI STANDARD
SIST EN 60794-4:2004

01-september-2004

Nadomešča:
SIST EN 187200:2004

Optični kabli - 4. del: Področna specifikacija - Nadzemni optični kabli vzdolž elektroenergetskih vodov (IEC 60794-4:2003)

Optical fibre cables - Part 4: Sectional specification - Aerial optical cables along electrical power lines (IEC 60794-4:2003)

Lichtwellenleiterkabel - Teil 4: Rahmenspezifikation - Lichtwellenleiter-Luftkabel auf Starkstrom-Freileitungen

Câbles à fibres optiques -- Partie 4: Spécification intermédiaire - Câbles optiques aériens le long des lignes électriques de puissance

Ta slovenski standard je istoveten z: EN 60794-4:2003

ICS:

33.180.10 (Optična) vlakna in kabli Fibres and cables

SIST EN 60794-4:2004 en

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EUROPEAN STANDARD

EN 60794-4

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2003

ICS 33.180.10

Supersedes EN 187200:2001

English version

Optical fibre cables
Part 4: Sectional specification –
Aerial optical cables along electrical power lines
(IEC 60794-4:2003)

Câbles à fibres optiques
Partie 4: Spécification intermédiaire -
Câbles optiques aériens le long des lignes
électriques de puissance
(CEI 60794-4:2003)

Lichtwellenleiterkabel
Teil 4: Rahmenspezifikation -
Lichtwellenleiter-Luftkabel
auf Starkstrom-Freileitungen
(IEC 60794-4:2003)

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This European Standard was approved by CENELEC on 2003-11-01. 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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Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 86A/851/FDIS, future edition 1 of IEC 60794-4, prepared by SC 86A, Fibres and cables, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60794-4 on 2003-11-01.

This European Standard supersedes EN 187200:2001.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2004-08-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-11-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annex ZA is normative and annex A is informative.
Annex ZA has been added by CENELEC.

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The text of the International Standard IEC 60794-4:2003 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60104 1)	1987	Aluminium-magnesium-silicon alloy wire for overhead line conductors	-	-
IEC 60304	1982	Standard colours for insulation for low-frequency cables and wires	HD 402 S2	1984
IEC 60708-1	1981	Low-frequency cables with polyolefin insulation and moisture barrier polyolefin sheath Part 1: General design details and requirements	-	-
IEC 60794-3	2001	Optical fibres cables Part 3: Sectional specification - Outdoor cables	EN 60794-3	2002
IEC 60811-4-2 (mod)	1990	Insulating and sheathing materials of electric and optical fibre cables - Common test methods Part 4: Methods specific to polyethylene and polypropylene compounds – Section 2: Tensile strength and elongation at break after pre-conditioning - Wrapping test after thermal ageing in air - Measurement of mass increase - Long-term stability test - Test method for copper-catalysed oxidative degradation	EN 60811-4-2	1999
IEC 60811-5-1 (mod)	1990	Part 5-1: Methods specific to filling compounds - Drop point - Separation of oil - Lower temperature brittleness - Total acid number - Absence of corrosive components - Permittivity at 23 °C - D.C. resistivity at 23 °C and 100 °C	EN 60811-5-1	1999

1) EN 50183:2000, which is related to IEC 60104:1987, applies.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60888	1987	Zinc-coated steel wires for stranded conductors	-	-
IEC 60889	1987	Hard-drawn aluminium wire for overhead line conductors	EN 60889	1997
IEC 61089 ²⁾	1991	Round wire concentric lay overhead electrical stranded conductors	-	-
IEC 61232 (mod)	1993	Aluminium-clad steel wires for electrical purposes	EN 61232	1995
IEC 61394	1997	Overhead lines - Characteristics of greases for aluminium, aluminium alloy and steel bare conductors	-	-
IEC 61395	1998	Overhead electrical conductors - Creep test procedures for stranded conductors	EN 61395	1998

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²⁾ EN 50182:2001, which is related to IEC 61089:1991, applied.

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INTERNATIONALE
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**CEI
IEC**

60794-4

Première édition
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Câbles à fibres optiques –

**Partie 4:
Spécification intermédiaire –
Câbles optiques aériens le long
des lignes électriques de puissance**

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Optical fibre cables –

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**Part 4:
Sectional specification –
Aerial optical cables along
electrical power lines**

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE CABLES –

**Part 4: Sectional specification –
Aerial optical cables along electrical power lines**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
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- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60794-4 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

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

FDIS	Report on voting
86A/851/FDIS	86A/859/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.

IEC 60794 consists of the following parts under the general title *Optical fibre cables*

- Part 1-1: Generic specification – General
- Part 1-2: Generic specification – Basic optical cable test procedures
- Part 2: Sectional specification – Indoor cables
- Part 3: Sectional specification – Outdoor cables
- Part 4: Sectional specification – Aerial optical cables along electrical power line

The committee has decided that the contents of this publication will remain unchanged until April 2007. At this date, the publication will be

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

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