SLOVENSKI STANDARD

SIST EN 60794-2-21:2006

julij 2006

Optični kabli – 2-21. del: Notranji kabli – Podrobna specifikacija za razdelilne večvlakenske optične kable za okablanje poslopij (IEC 60794-2-21:2005)

Optical fibre cables – Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling (IEC 60794-2-21:2005)

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60794-2-21

January 2006

ICS 33.180.10

English version

Optical fibre cables
Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling
(IEC 60794-2-21:2005)

Câbles à fibres optiques
Partie 2-21: Câbles intérieurs - Spécification particulière pour les câbles optiques multi-fibres de distribution utilisés dans le câblage de locaux
(CEI 60794-2-21:2005)

Lichtwellenleiterkabel
Teil 2-21: LWL-Innenkabel - Bauartspezifikation für Mehrfaserverteilerkabel zur Innenverlegung für anwendungsneutrale Standortverkabelung
(IEC 60794-2-21:2005)

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

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Ref. No. EN 60794-2-21:2006 E

Foreword

The text of document 86A/997/FDIS, future edition 1 of IEC 60794-2-21, 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 60794-2-21 on 2005-12-01.

This standard is to be used in conjunction with EN 60794-1-1:2002, EN 60794-1-2:2003, EN 60794-2:2003 and EN 60794-2-20:2003.

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)	2006-09-01
– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2008-12-01

This European Standard makes reference to International Standards. Where the International Standard referred to has been endorsed as a European Standard or a home-grown European Standard exists, this European Standard shall be applied instead. Pertinent information can be found on the CENELEC web site.

Endorsement notice

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Câbles à fibres optiques –

Partie 2-21: Câbles intérieurs – Spécification particulière pour les câbles optiques multi-fibres de distribution utilisés dans le câblage de locaux

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Optical fibre cables –

SIST EN 60794-2-21:2006
https://standards.iteh.ai/catalog/standards/sist/da1520a4-3200-4fac-89ac-321aff9915d9/sist-en-60794-2-21-2006

Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling

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CONTENTS

iTeh STANDARD PREVIEW
(standards.iteh.ai)
SIST EN 60794-2-21:2006
https://standards.iteh.ai/catalog/standards/sist/da1520a4-3200-4fac-89ac-321aff9915d9/sist-en-60794-2-21-2006

INTERNATIONAL ELECTROTECHNICAL COMMISSION

OPTICAL FIBRE CABLES –

Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling

FOREWORD

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International Standard IEC 60794-2-21 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This first edition of IEC 60794-2-21 cancels and replaces IEC/PAS 60794-2-21, published in March 2004.

This standard is to be used in conjunction with IEC 60794-1-1, IEC 60794-1-2, IEC 60794-2, and IEC 60794-2-20.

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

FDIS	Report on voting
86A/997/FDIS	86A/1004/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: Indoor cables – Sectional specification

Part 2-10: Indoor cables – Family specification for simplex and duplex cables

Part 2-11: Indoor cables – Detailed specification for simplex and duplex cables for use in premises cabling

Part 2-20: Indoor cables – Family specification for multi-fibre optical distribution cables

Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling

Part 2-30: Indoor cables – Family specification for optical fibre ribbon cables

Part 2-31: Indoor cables – Detailed specification for optical fibre ribbon cables for use in premises cabling

Part 3 : Sectional specification – Outdoor cables

Part 3-10: Outdoor cables – Family specification for duct and directly buried optical telecommunication cables

Part 3-12: Outdoor cables – Detailed specification for duct and directly buried optical telecommunication cables for use in premises cabling

Part 3-20: Outdoor cables – Family specification for optical self-supporting aerial telecommunication cables

Part 3-21: Outdoor cables – Detailed specification for optical self-supporting aerial telecommunication cables for use in premises cabling

Part 3-30: Outdoor cables – Family specification for optical telecommunication cables for lake and river crossings

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

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(standards.iteh.ai)
SIST EN 60794-2-21:2006
https://standards.iteh.ai/catalog/standards/sist/da1520a4-3200-4fac-89ac-321ad9915d9/sist-en-60794-2-21-2006

The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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.

OPTICAL FIBRE CABLES –

Part 2-21: Indoor cables – Detailed specification for multi-fibre optical distribution cables for use in premises cabling

1 Scope

This part of IEC 60794 is a detailed specification. It presents the detailed requirements specific to multi-fibre optical distribution cables for use in premises cabling, to ensure compatibility with ISO 11801 [1][1)]. The requirements of the family specification IEC 60794-2-20 are applicable to cables covered by this standard.

2 Normative references

The following referenced documents are indispensable for the application 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.

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They complete the normative references already listed in the generic specification (IEC 60794-1-1, Clause 2, and IEC 60794-1-2, Clause 2) in the sectional specification (IEC 60794-2, Clause 2) or in the family specification (IEC 60794-2-20, Clause 2).

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IEC 60793-2-10:2002, *Optical fibres – Part 2-10: Product specifications – Sectional specification for category A1 multimode fibres*

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IEC 60793-2-50, *Optical fibres – Part 2-50: Product specifications – Sectional specification for class B single-mode fibres*

IEC 60794-1-1:2001, *Optical fibre cables – Part 1-1: Generic specification – General*

IEC 60794-1-2:2003, *Optical fibre cables – Part 1-1: Generic specification – Basic optical cable test procedures*

IEC 60794-2:2002, *Optical fibre cables – Part 2: Indoor cables – Sectional specification*

IEC 60794-2-20:2003, *Optical fibre cables – Part 2-20: Indoor cables – Family specification for multi-fibre optical distribution cables*

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1) Figures in brackets refer to the Bibliography.