



SLOVENSKI STANDARD
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Optična vlakna - 1-47. del: Merilne metode in preskusni postopki - Izgube zaradi makro upogibov (IEC 60793-1-47:2017)

Optical fibres - Part 1-47: Measurement methods and test procedures - Macrobending loss (IEC 60793-1-47:2017)

Lichtwellenleiter - Teil 1-47: Messmethoden und Prüfverfahren - Makrobiegeverlust (IEC 60793-1-47:2017)

Fibres optiques - Partie 1-47: Méthodes de mesure et procédures d'essai - Pertes par macrocourbures (IEC 60793-1-47:2017)

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33.180.10 (Optična) vlakna in kabli Fibres and cables

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Lichtwellenleiter - Teil 1-47: Messmethoden und Prüfverfahren - Makrobiegeverlust (IEC 60793-1-47:2017)

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60793-1-47:2018 (E)**European foreword**

The text of document 86A/1823/FDIS, future edition 2 of IEC 60793-1-47, prepared by IEC/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 IEC 60793-1-47:2018.

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) 2018-08-15
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-11-15

This document supersedes EN 60793-1-47:2009.

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60793-1-40	NOTE	Harmonized as EN 60793-1-40.
IEC 60793-1-46	NOTE	Harmonized as EN 60793-1-46.
IEC 60793-2-50	NOTE	Harmonized as EN 60793-2-50.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year series</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year series</u>
IEC 60793		Optical fibres	-	
IEC 60793-1-1	2017	Optical fibres - Part 1-1: Measurement methods and test procedures - General and guidance	EN 60793-1-1	2017
IEC 60793-2	-	Optical fibres - Part 2: Product specifications - General	EN 60793-2	-
IEC 60793-2-10	-		EN 60793-2-10	-
IEC 61280-1-4	-	Fibre optic communication subsystem test procedures -- Part 1-4: General communication subsystems - Light source encircled flux measurement method	EN 61280-1-4	-
IEC 61280-4-1	-	Fibre optic communication subsystem test procedures -- Part 4-1: Installed cable plant - Multimode attenuation measurement	EN 61280-4-1	-

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NORME INTERNATIONALE



Optical fibres – **iTeh STANDARD PREVIEW**
Part 1-47: Measurement methods and test procedures – Macrobending loss
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Fibres optiques –
Partie 1-47: Méthodes de mesure et procédures d'essai – Pertes par
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CONTENTS

FOREWORD.....	5
INTRODUCTION.....	7
1 Scope.....	8
2 Normative references	8
3 Terms and definitions	9
4 Apparatus.....	9
4.1 Method A – Fibre winding	9
4.2 Method B – Quarter circle bends.....	9
4.3 Input system	10
4.3.1 Optical source	10
4.3.2 Optical launch arrangement.....	10
4.4 Output system and detection.....	12
4.4.1 Optical divider	12
4.4.2 Optical detector	12
4.4.3 Optical detection assembly.....	13
4.4.4 Signal processing	13
5 Specimen	13
5.1 Specimen length	13
5.1.1 Method A – Fibre winding.....	13
5.1.2 Method B – Quarter circle bends.....	13
5.2 Specimen end face	13
6 Procedure.....	13
6.1 Method A – Fibre winding.....	13
6.1.1 General consideration.....	13
6.1.2 Single-mode fibres.....	14
6.1.3 Multimode (A1) fibres	15
6.2 Method B – Quarter circle bends.....	15
7 Calculations.....	17
8 Results	17
8.1 Information available with each measurement.....	17
8.2 Information available upon request	17
9 Specification information	17
Annex A (normative) Change in transmittance by transmitted power technique	19
A.1 Apparatus	19
A.1.1 General	19
A.2 Procedure	20
A.3 Calculations.....	20
Annex B (normative) Cut-back technique	22
B.1 General.....	22
B.2 Apparatus	22
B.2.1 General apparatus for all fibres.....	22
B.3 Procedure	22
B.4 Calculations.....	23
Annex C (normative) Requirements for the optical source characteristics for A1 multimode measurement.....	24

C.1	Encircled flux (EF)	24
C.2	Limits on encircled flux	24
Annex D	(informative) Small bend radius phenomena	27
D.1	General.....	27
D.2	Interference between propagating and radiating modes	27
D.3	Polarization effects	29
D.4	High power damage	29
Annex E	(informative) Parallel plate (2-point) macrobend loss approximation.....	30
E.1	General.....	30
E.2	Specimen.....	30
E.3	Apparatus	30
E.3.1	General	30
E.3.2	Stepper motor control	31
E.3.3	Movable plate	31
E.3.4	Fixed plate.....	31
E.4	Procedure	32
E.5	Calculation.....	32
E.6	Results	32
E.7	Comparison of results with normative test.....	33
Bibliography	35
Figure 1	– Quarter circle guide groove in plate	9
Figure 2	– General launch arrangement.....	10
Figure 3	– Lens system.....	11
Figure 4	– Launch fibre.....	11
Figure 5	– Mode scrambler (for A4 fibre).....	12
Figure 6	– Multiple bends using stacked plates	16
Figure A.1	– Measurement of change in optical transmittance using reference specimen	19
Figure A.2	– Measurement of change in optical transmittance using stabilized source	20
Figure B.1	– Arrangement of equipment to perform loss measurement at one specified wavelength	22
Figure B.2	– Arrangement of equipment used to obtain a loss spectrum	22
Figure C.1	– Encircled flux template example	25
Figure D.1	– Loss curves versus curve fits.....	28
Figure E.1	– Schematic of possible (two-point bend) apparatus	31
Figure E.2	– Example of applying an exponential fit to the spectral data of a B6_a2 fibre	33
Figure E.3	– Example of 2-point bend test data for a B6_a2 fibre.....	33
Table 1	– Launch conditions for A2 to A4 fibres	12
Table C.1	– Threshold tolerance	25
Table C.2	– EF requirements for 50 µm core fibre cabling at 850 nm	26
Table C.3	– EF requirements for 50 µm core fibre cabling at 1 300 nm	26
Table C.4	– EF requirements for 62,5 µm core fibre cabling at 850 nm	26
Table C.5	– EF requirements for 62,5 µm core fibre cabling at 1 300 nm	26

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Table E.1 – Comparison of parallel plate (2-point) versus method A macrobend loss measurement for a B6_b3 fibre at 10 mm diameter (ratio of mandrel / 2-point).....	34
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OPTICAL FIBRES –

**Part 1-47: Measurement methods and test procedures –
Macrobending loss**

FOREWORD

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International Standard IEC 60793-1-47 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics.

This fourth edition cancels and replaces the third edition published in 2009. It constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) former Annex A has been renumbered to Annex D;
- b) introduction of new Annex A on the transmitted power monitoring technique;
- c) introduction of Annex B on the cut-back technique;
- d) introduction of Annex C on the requirements for the optical source characteristics of A1 multimode measurement;
- e) introduction of Annex E on parallel plate (2-point) macrobend loss approximation.

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

FDIS	Report on voting
86A/1823/FDIS	86A/1828/RVD

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.

This standard is to be read in conjunction with IEC 60793-1-1:2017.

A list of all parts of IEC 60793 series, published under the general title *Optical fibres*, 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,
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- amended.

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INTRODUCTION

Publications in the IEC 60793-1 series concern measurement methods and test procedures as they apply to optical fibres.

Within the same series, several different areas are grouped, but all numbers are possibly not used, as follows:

Parts 1-10 to 1-19:	General
Parts 1-20 to 1-29:	Measurement methods and test procedures for dimensions
Parts 1-30 to 1-39:	Measurement methods and test procedures for mechanical characteristics
Parts 1-40 to 1-49:	Measurement methods and test procedures for transmission and optical characteristics
Parts 1-50 to 1-59:	Measurement methods and test procedures for environmental characteristics

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