



BSI Standards Publication

Fibre optic interconnecting devices and passive components — Basic test and measurement procedures

Part 3-30: Examinations and measurements —
Endface geometry of rectangular ferrule

National foreword

This British Standard is the UK implementation of EN IEC 61300-3-30:2021. It is identical to IEC 61300-3-30:2020. It supersedes BS EN 61300-3-30:2003, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/86/2, Fibre optic interconnecting devices and passive components.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Fibre optic interconnecting devices and passive components -
Basic test and measurement procedures - Part 3-30:
Examinations and measurements - Endface geometry of
rectangular ferrule
(IEC 61300-3-30:2020)

Dispositifs d'interconnexion et composants passifs
fibroniques - Procédures fondamentales d'essais et de
mesures - Partie 3-30: Examens et mesures - Géométrie de
la face terminale de la ferrule rectangulaire
(IEC 61300-3-30:2020)

Lichtwellenleiter - Verbindungselemente und passive
Bauteile - Grundlegende Prüf- und Messverfahren - Teil 3-
30: Untersuchungen und Messungen - Endflächen-
Geometrie einer rechteckigen Ferrule
(IEC 61300-3-30:2020)

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

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

European foreword

The text of document 86B/4357/FDIS, future edition 2 of IEC 61300-3-30, prepared by SC 86B "Fibre optic interconnecting devices and passive components" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61300-3-30:2021.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2021-10-18 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2024-01-18 document have to be withdrawn

This document supersedes EN 61300-3-30:2003 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 61300-3-30:2020 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 61300 (series)	NOTE	Harmonized as EN 61300 (series)
IEC 61755-3-31:2015	NOTE	Harmonized as EN 61755-3-31:2015 (not modified)
IEC 61755-3-32:2015	NOTE	Harmonized as EN 61755-3-32:2016 (not modified)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING DEVICES
AND PASSIVE COMPONENTS –
BASIC TEST AND MEASUREMENT PROCEDURES –****Part 3-30: Examinations and measurements –
Endface geometry of rectangular ferrule**

FOREWORD

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International Standard IEC 61300-3-30 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition published in 2003. This edition constitutes a technical revision.

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

- a) measurement of the individual fibre tip radii;
- b) introduction of the geometry limit (GL) metric;
- c) introduction of the minus coplanarity metric;
- d) new method for measuring the core dips;
- e) all measurement regions are now identical for MM and SM fibres;

f) the ferrule surface angle sign convention has been changed.

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

FDIS	Report on voting
86B/4357/FDIS	86B/4378/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.

A list of all parts in the IEC 61300 series, published under the general title *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures*, 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,
- replaced by a revised edition, or
- amended.