

INTERNATIONAL STANDARD

**Fibre optic interconnecting devices and passive components - Fibre optic
connector interfaces -
Part 2: Type BFOC/2,5 connector family**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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IEC 61754-2 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics. It is an International Standard.

This second edition cancels and replaces the first edition published in 1996. This edition constitutes a technical revision.

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

- a) addition of Clause 2, Clause 3 and the Bibliography;
- b) addition of the active device receptacle interface type;
- c) revision of the ferrule grades to refer to the connector optical interfaces specified in the IEC 61755-3 series;

- d) revision of the ferrule end face geometry to refer to the connector optical interfaces specified in the IEC 61755-3 series and IEC 63267-3 series;
- e) improvement of the description of the characteristics of the resilient alignment sleeve for adaptor and rigid bore sleeve for active device receptacle;
- f) harmonisation of the dimensions of reference A for the rigid bore sleeve with other connector interface standards in IEC 61754 series.

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

Draft	Report on voting
86B/5195/FDIS	86B/5218/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 61754 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 webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

1 Scope

This part of IEC 61754 defines the standard interface dimensions for type BFOC/2,5 family of connectors.

2 Normative references

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.

IEC 61300-3-33 , *Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-33: Examinations and measurements - Withdrawal force from a resilient alignment sleeve using pin gauges*

IEC 61754-1, *Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 1: General and guidance*

IEC 61755-3 (all parts), *Fibre optic interconnecting devices and passive components - Connector optical interfaces: Connector parameters of dispersion unshifted single-mode physically contacting fibres*

IEC 63267-3 (all parts), *Fibre optic interconnecting devices and passive components - Connector optical interfaces for enhanced macro bend multimode fibres: Connector parameters of physically contacting 50 µm core diameter fibres*

Bibliography

IEC 61300-3-22, *Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-22: Examinations and measurements - Ferrule compression force*
