

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Fibre optic interconnecting devices and passive components – Connector optical interfaces for single-mode fibres –  
Part 1: Optical interfaces for dispersion unshifted fibres – General and guidance**

**Dispositifs d'interconnexion et composants passifs fibroniques – Interfaces optiques avec connecteurs pour fibres unimodales –  
Partie 1: Interfaces optiques pour fibres à dispersion non décalée – Généralités et recommandations**





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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**FIBRE OPTIC INTERCONNECTING  
DEVICES AND PASSIVE COMPONENTS –  
CONNECTOR OPTICAL INTERFACES FOR SINGLE-MODE FIBRES –****Part 1: Optical interfaces for dispersion unshifted fibres –  
General and guidance**

## FOREWORD

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IEC 61755-1 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 2005. This edition constitutes a technical revision.

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

- a) deletion of Figure 2, Figure 3 and Table 4, and consideration of the whole parts of the text;
- b) addition of the test method for random mating of the multifibre connectors;
- c) introduction of a nomenclature for the specified core location variants;
- d) replacement of the limited MFD range, which is now in line with the complete MFD range specified in IEC 60793-2-50;

- e) replacement of the references to reliability standards to reliability technical reports;
- f) new general title for the series.

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

Draft	Report on voting
86B/4642/FDIS	86B/4663/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/publications).

A list of all parts of the IEC 61755 series, under the general title *Fibre optic interconnecting devices and passive components – Connector optical interfaces for single-mode fibres*, can be found on the IEC website.

Future documents in this series will carry the new general title as cited above. Titles of existing documents in this series will be updated at the time of the next edition.

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