

# TECHNICAL REPORT

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## Guidelines for combining different single-mode fibre sub-categories





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IEC Central Office  
3, rue de Varembe  
CH-1211 Geneva 20  
Switzerland

Tel.: +41 22 919 02 11  
[info@iec.ch](mailto:info@iec.ch)  
[www.iec.ch](http://www.iec.ch)

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INTERNATIONAL  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**GUIDELINES FOR COMBINING DIFFERENT SINGLE-MODE FIBRE  
SUB-CATEGORIES**

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This third edition cancels and replaces the second edition published in 2010. This edition constitutes a technical revision.

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

- a) global uniformity of terminology concerning fibre classes, categories and sub-categories throughout the document;
- b) updating and aligning to the new naming convention of IEC 60793-2-50 for class B fibre categories and sub-categories;
- c) updating and aligning with IEC 60793-2-50 as per supported fibre sub-categories;
- d) additional guidelines concerning combination of fibre parameters: chromatic dispersion and slope, polarization mode dispersion;
- e) additional guidelines concerning non-linear affects;
- f) updating of bibliographical references.

The text of this Technical Report is based on the following documents:

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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 Technical Report is English.

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