

INTERNATIONAL STANDARD

Fixed folding durability test method for flexible opto-electric circuit boards

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**Fixed folding durability test method for
flexible opto-electric circuit boards**

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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.

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- withdrawn, or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 document defines the test method for providing uniform quality fixed folding durability test data to opto-electric wiring users. In particular, it provides a test condition for the tension and free tension folded state of the flexible opto-electric circuit boards of optic fibre type.

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 62496-2-1, *Optical circuit boards - Part 2-1: Measurements - Optical attenuation and isolation*

IEC 60068-1, *Environmental testing - Part 1: General and guidance*

Bibliography

IEC 60793-2-10, *Optical fibres - Part 2-10: Product specifications - Sectional specification for category A1 multimode fibres*

IEC 60793-2-20, *Optical fibres - Part 2-20: Product specifications - Sectional specification for category A2 multimode fibres*

IEC 61300-3-7, *Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-7: Examinations and measurements - Wavelength dependence of attenuation and return loss of single mode components*

IEC 60068-2-14, *Environmental testing - Part 2-14: Tests - Test N: Change of temperature*
