

INTERNATIONAL STANDARD

**Optical fibre cables -
Part 1-126: Generic specification - Basic optical cable test procedures -
Mechanical tests methods - Galloping, Method E26**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FOREWORD

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IEC 60794-1-126 has been prepared by subcommittee 86A: Fibres and cables: of IEC technical committee 86: Fibre optics. It is an International Standard.

This first edition cancels and replaces Method E26 of the first edition of IEC 60794-1-21 published in 2015. This edition constitutes a technical revision.

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

- a) addition of "for ADSS" and "for OPGW and OPPC" in 4.7, a);
- b) addition of "L4" in Figure 1 and in 4.7, b);
- c) change of the specified static sag angle to $\leq 1,5 \pm 0,5^\circ$;
- d) improvement of Figure 1.

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

Draft	Report on voting
86A/2653/FDIS	86A/2672/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 60794 series, published under the general title *Optical fibre cables*, 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- withdrawn, or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.

INTRODUCTION

This document contains method E26 of IEC 60794-1-21:2015, which will be withdrawn. The system for optical fibre test methods have been restructured and renumbered. The optical cable element test methods contained in IEC 60794-1-21:2015 and IEC 60794-1-21:2020/AMD1:2020 will now be individually numbered in the IEC 60794-1-1xx series. Each test method is now considered to be an individual document rather than part of a multi-test method compendium. Full cross-reference details are given in IEC 60794-1-2.

1 Scope

This part of IEC 60794 defines the test procedures used to establish uniform requirements for mechanical performance – galloping. It applies to optical fibre cables like ADSS, OPGW or OPPC that can be exposed to galloping phenomena.

See IEC 60794-1-2 for general requirements and definitions and for a complete reference guide to test methods of all types.

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 60794-1-1, *Optical fibre cables - Part 1-1: Generic specification - General*

IEC 60793-1-46, *Optical fibres - Part 1-46: Measurement methods and test procedures - Monitoring of changes in attenuation*

Bibliography

IEC 60794-1-2, Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance
