

STN	Optické káble Časť 1-130: Kmeňová špecifikácia Základné skúšobné postupy pre optické káble Mechanické skúšobné metódy Koeficient dynamického trenia medzi káblami, metódy E30	STN EN IEC 60794-1-130 35 9223
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Optical fibre cables - Part 1-130: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Coefficient of friction between cables, Methods E30

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 03/26

Táto norma čiastočne nahrádza normu STN EN 60794-1-21 zo septembra 2015. Súbežná platnosť do 30. 11. 2028.

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EUROPEAN STANDARD

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English Version

Optical fibre cables - Part 1-130: Generic specification - Basic optical cable test procedures - Mechanical tests methods - Coefficient of friction between cables, Methods E30 (IEC 60794-1-130:2025)

Câbles à fibres optiques - Partie 1-130: Spécification générique - Procédures fondamentales d'essais des câbles optiques - Méthodes d'essais mécaniques - Coefficient de frottement entre les câbles, Méthodes E30 (IEC 60794-1-130:2025)

Lichtwellenleiterkabel - Teil 1-130: Fachgrundspezifikation - Grundlegende Prüfverfahren für Lichtwellenleiterkabel - Mechanische Prüfverfahren - Gleitreibungskoeffizient zwischen Kabeln, Verfahren E30 (IEC 60794-1-130:2025)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 60794-1-130:2025 (E)**European foreword**

The text of document 86A/2602/FDIS, future edition 1 of IEC 60794-1-130, prepared by SC 86A "Fibres and cables" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60794-1-130:2025.

The following dates are fixed:

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In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60794-1-21 NOTE Approved as EN 60794-1-21

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60794-1-2	-	Optical fibre cables - Part 1-2: Generic specification - Basic optical cable test procedures - General guidance	EN IEC 60794-1-2	-



IEC 60794-1-130

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INTERNATIONAL STANDARD

**Optical fibre cables -
Part 1-130: Generic specification - Basic optical cable test procedures -
Mechanical tests methods - Coefficient of friction between cables, Methods E30**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Optical fibre cables -
Part 1-130: Generic specification -
Basic optical cable test procedures - Mechanical test methods -
Coefficient of friction between cables, Methods E30**

FOREWORD

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IEC 60794-1-130 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 E24 of the first edition of IEC 60794-1-21 published in 2015, Amendment 1:2020. This edition constitutes a technical revision.

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

Draft	Report on voting
86A/2602/FDIS	86A/2618/RVD

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

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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.

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.

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1 Scope

This part of IEC 60794 describes test procedures to evaluate the coefficient of dynamic friction of the sheathing material of a cable when pulled over or between other cables. Methods E30A and E30B evaluate the coefficient of friction between cables for when either a cable is pulled over the top of other cables (drum test) or when pulling a cable between other cables of the same shape (flat plate test).

This document applies to optical fibre cables for use with telecommunication equipment and devices employing similar techniques, and to cables having a combination of both optical fibres and electrical conductors.

Throughout the document, wording "optical cable" can also include optical fibre units and microduct fibre units.

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

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