

STN	Optické káble Časť 1-214: Kmeňová špecifikácia Základné skúšobné postupy pre optické káble Skúšobné metódy vplyvu prostredia Skúška odolnosti kábla proti UV žiareniu, metóda F14	STN EN IEC 60794-1-214 35 9223
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Optical fibre cables - Part 1-214: Generic specification - Basic optical cable test procedures - Environmental test methods - Cable UV resistance test, Method F14

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. 11/25

Táto norma čiastočne nahrádza normu STN EN IEC 60794-1-22 z júla 1988. Súbežná platnosť do 31. 10. 2028.

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN IEC 60794-1-214

October 2025

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Supersedes EN IEC 60794-1-22:2018 (partially)

English Version

**Optical fibre cables - Part 1-214: Generic specification - Basic
optical cable test procedures - Environmental test methods -
Cable UV resistance test, Method F14
(IEC 60794-1-214:2025)**

Câbles à fibres optiques - Partie 1-214: Spécification
générique - Procédures fondamentales d'essais des câbles
optiques - Méthodes d'essais d'environnement - Essai de
résistance aux UV du câble, méthode F14
(IEC 60794-1-214:2025)

Lichtwellenleiterkabel - Teil 1-214: Fachgrundspezifikation -
Grundlegende Prüfverfahren für Lichtwellenleiterkabel -
Umweltprüfverfahren - Prüfung der UV-Beständigkeit von
Kabeln, Verfahren F14
(IEC 60794-1-214:2025)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

EN IEC 60794-1-214:2025 (E)**European foreword**

The text of document 86A/2589/FDIS, future edition 1 of IEC 60794-1-214, 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 60794-1-214:2025.

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IEC 60794-1-22 NOTE Approved as EN IEC 60794-1-22

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60811-501	-	Electric and optical fibre cables - Test methods for non-metallic materials - Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds	EN 60811-501	-
IEC/TR 61931	-	Fibre optic - Terminology	-	-
ISO 4892-2	-	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps	EN ISO 4892-2	-
ISO 4892-3	-	Plastics - Methods of exposure to laboratory light sources - Part 3: Fluorescent UV lamps	EN ISO 4892-3	-



IEC 60794-1-214

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

Optical fibre cables -

**Part 1-214: Generic specification - Basic optical cable test procedures -
Environmental test methods - Cable UV resistance test, Method F14**

Câbles à fibres optiques -

**Partie 1-214: Spécification générique - Procédures fondamentales d'essais des
câbles optiques - Méthodes d'essais d'environnement - Essai de résistance aux
UV du câble, méthode F14**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

Optical fibre cables -
Part 1-214: Generic specification - Basic optical cable test procedures -
Environmental test methods - Cable UV resistance test, Method F14

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IEC 60794-1-214 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 F14 of the second edition of IEC 60794-1-22 published in 2017. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to IEC 60794-1-22:2017:

- a) addition of subclause as regards conditioning according to ISO 4892-2 or ISO 4892-3 for indoor-outdoor cables.

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

Draft	Report on voting
86A/2589/FDIS	86A/2611/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.

1 Scope

This part of IEC 60794 defines the test procedure used to measure the ability of cable sheath materials to maintain their integrity when exposed to ultraviolet (UV) radiation due to sunlight or fluorescent light.

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 60811-501, *Electric and optical fibre cables - Test methods for non-metallic materials Part 501: Mechanical tests - Tests for determining the mechanical properties of insulating and sheathing compounds.*

IEC TR 61931, *Fibre optic - Terminology*

ISO 4892-2, *Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps*

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