

<b>STN</b>	<b>Optické káble</b> <b>Časť 1-213: Kmeňová špecifikácia</b> <b>Základné skúšobné postupy na optické káble</b> <b>Skúšobné metódy vplyvu prostredia</b> <b>Odolnosť mikrotrubičiek proti tlaku, metóda</b> <b>F13</b>	<b>STN</b> <b>EN IEC</b> <b>60794-1-213</b>  35 9223
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Optical fibre cables - Part 1-213: Generic specification - Basic optical cable test procedures - Environmental test methods - Microduct pressure withstand, method F13

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. 08/24

Táto norma čiastočne nahrádza normu STN EN IEC 60794-1-22 z júla 2018. Súbežná platnosť do 12. 6. 2027.

Obsahuje: EN IEC 60794-1-213:2024, IEC 60794-1-213:2024

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EUROPEAN STANDARD

**EN IEC 60794-1-213**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2024

ICS 33.180.10

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

English Version

Optical fibre cables - Part 1-213: Generic specification - Basic  
optical cable test procedures - Environmental test methods -  
Microduct pressure withstand, method F13  
(IEC 60794-1-213:2024)

Câbles à fibres optiques - Partie 1-213: Spécification  
générique - Procédures fondamentales d'essais des câbles  
optiques - Méthodes d'essais d'environnement - Tenue à la  
pression des microconduits, méthode F13  
(IEC 60794-1-213:2024)

Lichtwellenleiterkabel - Teil 1-213: Fachgrundspezifikation -  
Grundlegende Prüfverfahren für Lichtwellenleiterkabel -  
Umweltprüfverfahren - Druckfestigkeit von Mikroröhren,  
Verfahren F13  
(IEC 60794-1-213:2024)

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Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

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**EN IEC 60794-1-213:2024 (E)****European foreword**

The text of document 86A/2331/CDV, future edition 1 of IEC 60794-1-213, 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 60794-1-213:2024.

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- latest date by which the national standards conflicting with the (dow) 2027-06-12 document have to be withdrawn

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

IEC 60794-1-2                      NOTE                      Approved as EN IEC 60794-1-2



# IEC 60794-1-213

Edition 1.0 2024-05

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Optical fibre cables –  
Part 1-213: Generic specification – Basic optical cable test procedures –  
Environmental test methods – Microduct pressure withstand, method F13**

**Câbles à fibres optiques –  
Partie 1-213: Spécification générique – Procédures fondamentales d'essais  
des câbles optiques – Méthodes d'essais d'environnement – Tenue à la  
pression des microconduits, méthode F13**



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IEC 60794-1-213

Edition 1.0 2024-05

# INTERNATIONAL STANDARD

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**Optical fibre cables –  
Part 1-213: Generic specification – Basic optical cable test procedures –  
Environmental test methods – Microduct pressure withstand, method F13**

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des câbles optiques – Méthodes d'essais d'environnement – Tenue à la  
pression des microconduits, méthode F13**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## OPTICAL FIBRE CABLES –

**Part 1-213: Generic specification –  
Basic optical cable test procedures –  
Environmental test methods –  
Microduct pressure withstand, method F13**

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IEC 60794-1-213 has been prepared by subcommittee 86A: Fibres and cables, of IEC technical committee 86: Fibre optics. It is an International Standard.

This document partially cancels and replaces IEC 60794-1-22:2017. This edition constitutes a technical revision.

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

- a) pressure gauge used to monitor internal pressure of microduct added as part of the test apparatus;



- b) "test temperature" added to the details to be specified;
- c) added a new subclause "4.7 Details to be reported".

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

Draft	Report on voting
86A/2331/CDV	86A/2432/RVC

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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://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](http://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 cancels and replaces method F13 of IEC 60794-1-22:2017, which will be withdrawn. It includes an editorial revision, based on the new structure and numbering system for optical fibre cable test methods. Additionally, technical changes were implemented. The environmental tests contained in IEC 60794-1-22:2017 will be individually numbered in the IEC 60794-1-2xx 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.

## **OPTICAL FIBRE CABLES –**

### **Part 1-213: Generic specification – Basic optical cable test procedures – Environmental test methods – Microduct pressure withstand, method F13**

#### **1 Scope**

This part of the IEC 60794 series defines test procedures to be used in establishing uniform requirements for the environmental performance of microduct. The test determines the capability of the microduct to withstand internal pressure without leakage and visible damage.

This document applies to microduct used for installation of microduct cable or fibre unit by blowing.

Throughout this document, the wording "microduct" can also include protected microduct(s).

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

#### **2 Normative references**

There are no normative references in this document.

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**