

INTERNATIONAL STANDARD

**Optical fibre cables -
Part 1-136: Generic specification - Basic optical cable test procedures -
Determination of the maximum applicable push force during cable installation by
blowing**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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IEC 60794-1-136 has been prepared by subcommittee IEC SC86A: Optical cables, of IEC technical committee 86: Fibre optics. It is an International Standard.

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

Draft	Report on voting
86A/2669/FDIS	86A/2687/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- withdrawn, or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 was prepared in cooperation with the national working committee DKE/UK 412.6 "Optical fibres and optical fibre cables" of the DKE German Commission for Electrical, Electronic & Information Technologies (www.dke.de). The purpose was to include the "Determination of the maximum applicable push force during cable installation by blowing" developed by DKE/UK 412.6 into the IEC international standards relating to optical fibres.

1 Scope

This part of IEC 60794 specifies procedures to determine the maximum allowable push force applied on cables during the installation by blowing. Currently this parameter is determined by a separate test on the cable before installation. The methods specified in this document apply primarily to low-diameter cables (microduct cables according to IEC 60794-5[1]¹) without rigid strength elements (e.g. GRP rods).

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 60794-1-21, *Optical fibre cables - Part 1-21: Generic specification - Basic optical cable test procedures - Mechanical tests methods*

Bibliography

- [1] IEC 60794-5, *Optical fibre cables - Part 5: Sectional specification - Microduct cabling for installation by blowing*
 - [2] "Installation of optical cables in ducts", Willem Griffioen, CIP-Gegevens Koninklijke Bibliotheek, Den Haag
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