



## PRE-RELEASE VERSION (FDIS)

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**Optical fibre cables –  
Part 1-404: Generic specification – Basic optical cable test procedures –  
Electrical test methods – Current-temperature test, method H4**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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ICS 33.180.10

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## FINAL DRAFT INTERNATIONAL STANDARD (FDIS)

PROJECT NUMBER: <b>IEC 60794-1-404 ED1</b>	
DATE OF CIRCULATION: <b>2021-12-17</b>	CLOSING DATE FOR VOTING: <b>2022-01-28</b>
SUPERSEDES DOCUMENTS: <b>86A/2100/CDV, 86A/2141/RVC</b>	

IEC SC 86A : FIBRES AND CABLES	
SECRETARIAT: France	SECRETARY: Mr Laurent Gasca
OF INTEREST TO THE FOLLOWING COMMITTEES:	HORIZONTAL STANDARD: <input type="checkbox"/>
FUNCTIONS CONCERNED: <input type="checkbox"/> EMC <input type="checkbox"/> ENVIRONMENT <input type="checkbox"/> QUALITY ASSURANCE <input type="checkbox"/> SAFETY	
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TITLE:  
**Optical fibre cables – Part 1-404: Generic specification - Basic optical cable test procedures - Electrical test methods - Current-temperature test, method H4**

PROPOSED STABILITY DATE: 2025

NOTE FROM TC/SC OFFICERS:

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### OPTICAL FIBRE CABLES –

#### **Part 1-404: Generic specification – Basic optical cable test procedures – Electrical test methods – Current-temperature test, method H4**

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IEC 60794-1-404 has been prepared by subcommittee 86A: Fibres and 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/XX/FDIS	86A/XX/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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications](http://www.iec.ch/standardsdev/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,
- replaced by a revised edition, or
- amended.

## **OPTICAL FIBRE CABLES –**

### **Part 1-404: Generic specification – Basic optical cable test procedures – Electrical test methods – Current-temperature test, method H4**

#### **1 Scope**

This part of IEC 60794 defines a test standard to determine the optical performance and temperature characteristics of a hybrid cable under the maximum current.

This document applies to optical phase conductor (OPPC). An optical phase conductor is made of multiple metallic wires that are exposed to the environment without any insulating or protective sheath and contain optical fibres.

#### **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 60793-1-46, *Optical fibres – Part 1-46: Measurement methods and test procedures – Monitoring of changes in optical transmittance*

IEC TR 61597, *Overhead electrical conductors – Calculation methods for stranded bare conductors*