

<b>STN</b>	<b>Postup na vyhodnotenie funkčnej odolnosti optických vlákien v kábli v podmienkach skúšania požiarnej odolnosti.</b>	<b>STN EN 50582</b>  34 7019
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Procedure to assess the circuit integrity of optical fibres in a cable under resistance to fire testing

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. 12/16

Obsahuje: EN 50582:2016

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Podľa zákona č. 264/1999 Z. z. v znení neskorších predpisov sa môžu slovenské technické normy rozmnožovať a rozširovať iba so súhlasom Úradu pre normalizáciu, metrológiu a skúšobníctvo SR.

EUROPEAN STANDARD

**EN 50582**

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 2016

ICS 13.220.40; 33.180.10

English Version

## Procedure to assess the circuit integrity of optical fibres in a cable under resistance to fire testing

Procédure d'évaluation de l'intégrité des circuits à fibres optiques dans un câble soumis à un essai de résistance au feu

Prüfung des Übertragungsverhaltens im Brandfall von Lichtwellenleiterkabeln für die Verwendung in Notstromkreisen bei ungeschützter Verlegung (Durchmesser kleiner oder gleich 20 mm)

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

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## European foreword

This document (EN 50582:2016) has been prepared by CLC/TC 86A "Optical fibres and optical fibre cables".

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-06-27
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2019-06-27

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This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association.

## 1 Scope

This European standard specifies the details for the point of failure, continuity checking arrangement, test sample, test procedure and test report relevant to optical fibre cables tested as described either in EN 50200 or in EN 50577.

The test determines the survival time for circuit integrity of the optical fibre cables when exposed to fire under the conditions either given in EN 50200 or given in EN 50577.

EN 50200 is limited to cables with an overall diameter not exceeding 20 mm.

This standard includes (Annex A) the field of direct application and rules for extended application of test results (EXAP). Details regarding P classification using data from the EN 50577 test and PH classification using data from the EN 50200 test are given in EN 13501-3. Information regarding classification is given in Annex B.

## 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13501-3, *Fire classification of construction products and building elements — Part 3: Classification using data from fire resistance tests on products and elements used in building service installations: fire resisting ducts and fire dampers*

EN 50200, *Method of test for resistance to fire of unprotected small cables for use in emergency circuits*

EN 50577, *Electric cables — Fire resistance test for unprotected electric cables (P classification)*

EN 60793-1-46, *Optical fibres — Part 1-46: Measurement methods and test procedures — Monitoring of changes in optical transmittance (IEC 60793-1-46)*

EN 60793-2, *Optical fibres — Part 2: Product specifications — General (IEC 60793-2)*

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