



SLOVENSKI STANDARD

SIST EN 60702-3:2016

01-september-2016

Kabli z mineralno izolacijo in njihovi priključki z naznačeno napetostjo, ki ne presega 750 V - 3. del: Vodilo za uporabo (IEC 60702-3:2016)

Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V
- Part 3: Guide to use (IEC 60702-3:2016)

iTeh STANDARD PREVIEW

Câbles à isolant minéral et leurs terminaisons de tension assignée ne dépassat pas 750 V - Partie 3: Guide d'emploi

<https://standards.itih.ai/catalog/standards/sist/7d92d04a-251a-40e8-8c44-d90c016c49d7/sist-en-60702-3-2016>
SIST EN 60702-3:2016
Ta slovenski standard je istoveten z: EN 60702-3:2016

ICS:

29.060.20 Kabli Cables

SIST EN 60702-3:2016 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60702-3:2016

<https://standards.iteh.ai/catalog/standards/sist/7d92d04a-251a-40e8-8c44-d90c010e49d7/sist-en-60702-3-2016>

EUROPEAN STANDARD

EN 60702-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2016

ICS 29.060.20

English Version

Mineral insulated cables and their terminations with a rated
voltage not exceeding 750 V - Part 3: Guidance for use
(IEC 60702-3:2016)

Câbles à isolant minéral et leurs terminaisons de tension
assignée ne dépassant pas 750 V - Partie 3: Guide
d'utilisation
(IEC 60702-3:2016)

Mineralisierte Leitungen mit einer Bemessungsspannung
bis 750 V - Teil 3: Anwendungsrichtlinie
(IEC 60702-3:2016)

This European Standard was approved by CENELEC on 2016-05-18. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

SIST EN 60702-3:2016

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 60702-3:2016**European foreword**

The text of document 20/1618/FDIS, future edition 1 of IEC 60702-3, prepared by IEC/TC 20 "Electric cables" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60702-3:2016.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2017-02-18
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-05-18

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 60702-3:2016 was approved by CENELEC as a European Standard without any modification.

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

IEC 60702-1	NOTE Harmonized as EN 60702-1. https://standards.iteh.ai/catalog/standards/sist/7d92d04a-251a-40e8-8c44-d990e4945710/iec-60702-1-2016
IEC 60702-2	NOTE Harmonized as EN 60702-2.
IEC 60364-5-52	NOTE Harmonized as HD 60364-5-52.

Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

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.

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

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60364-1	-	Low-voltage electrical installations -- Part 1: Fundamental principles, assessment of general characteristics, definitions	HD 60364-1	-

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 60702-3:2016](https://standards.iteh.ai/catalog/standards/sist/7d92d04a-251a-40e8-8c44-d90c010e49d7/sist-en-60702-3-2016)

<https://standards.iteh.ai/catalog/standards/sist/7d92d04a-251a-40e8-8c44-d90c010e49d7/sist-en-60702-3-2016>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 60702-3:2016

<https://standards.iteh.ai/catalog/standards/sist/7d92d04a-251a-40e8-8c44-d90c010e49d7/sist-en-60702-3-2016>



IEC 60702-3

Edition 1.0 2016-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V –
Part 3: Guidance for use**

**Câbles à isolant minéral et leurs terminaisons de tension assignée ne dépassant pas 750 V –
Partie 3: Guide d'utilisation**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 29.060.20

ISBN 978-2-8322-3324-5

**Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.**

CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references.....	5
3 Terms and definitions	5
4 Safety	5
4.1 Fundamental considerations.....	5
4.2 General.....	5
4.3 Support and fixing	7
5 Limiting conditions.....	7
5.1 General.....	7
5.2 Voltage	7
5.3 Current carrying capacity.....	7
5.4 Thermal effects	8
5.5 Mechanical stress	9
5.5.1 General	9
5.5.2 Tension	9
5.5.3 Bending	9
5.5.4 Compression	9
5.6 Compatibility	9
5.7 Dynamic stresses.....	10
5.8 Flexing.....	10
5.9 Corrosion protection and direct burial.....	10
6 Installation.....	10
7 Initial and periodic verification.....	10
8 Packaging, storage and handling/transportation	11
8.1 Packaging.....	11
8.2 Storage/transportation.....	11
8.3 Handling	11
Bibliography	12
Table 1 – Limiting temperature conditions	6
Table 2 – Recommended fixing distances.....	7

INTERNATIONAL ELECTROTECHNICAL COMMISSION

MINERAL INSULATED CABLES AND THEIR TERMINATIONS WITH A RATED VOLTAGE NOT EXCEEDING 750 V –

Part 3: Guidance for use

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60702-3 has been prepared by IEC technical committee 20: Electric cables.

This first edition of IEC 60702-3 is based on CENELEC HD 586.3.

The text of this standard is based on the following documents:

FDIS	Report on voting
20/1618/FDIS	20/1623/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.