ICS 29.060.20 SLOVENSKÁ TECHNICKÁ NORMA September 2015

STN	**Káble s minerálnou izoláciou a ich koncovky na menovité napätie do 750 V. Časť 1: Káble. Zmena A1**	**STN EN 60702-1/A1** 34 7471

Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V -- Part 1: Cables

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. 08/15

STN EN 60702-1 zo septembra 2002 sa bez zmeny A1 môže používať do 19.02.2018.

Obsahuje: EN 60702-1:2002/A1:2015, IEC 60702-1:2002/A1:2015

121287

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 60702-1:2002/A1

February 2015

ICS 29.060.20

English Version

Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V - Part 1: Cables (IEC 60702-1:2002/A1:2015)

Câbles à isolant minéral et leurs terminaisons de tension assignée ne dépassant pas 750 V - Partie 1: Câbles (IEC 60702-1:2002/A1:2015)

Mineralisolierte Leitungen mit einer Bemessungsspannung bis 750 V - Teil 1: Leitungen (IEC 60702-1:2002/A1:2015)

This amendment A1 modifies the European Standard EN 60702-1:2002; it was approved by CENELEC on 2015-02-19. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

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

Foreword

The text of document 20/1528/FDIS, future edition 3 of IEC 60702-1/A1, prepared by IEC TC 20, Electric cables" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60702-1:2002/A1:2015.

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)	2015-11-19
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2018-02-19

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.

This standard covers the Principle Elements of the Safety Objectives for Electrical Equipment Designed for Use within Certain Voltage Limits (LVD - 2006/95/EC).

Endorsement notice

The text of the International Standard IEC 60702-1:2002/A1:2015 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 :

Add the following new text to the Bibliography :

IEC 60702-2	NOTE	Harmonised as EN 60702-2.

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.

Replace the existing list of references with the following references:

Publication	Year	Title	EN/HD	Year
IEC 60227-1	-	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V -- Part 1: General requirements	-	-
IEC 60228	-	Conductors of insulated cables	EN 60228	-
IEC 60331-1	-	Tests for electric cables under fire conditions -- Circuit integrity - Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm		-
IEC 60331-2	-	Tests for electric cables under fire conditions -- Circuit integrity - Part 2: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm		-
IEC 60332-1-2	-	Tests on electric and optical fibre cables under fire conditions -- Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW pre-mixed flame	EN 60332-1-2	-
IEC 60754-2	-	Test on gases evolved during combustion of materials from cables - Part 2: Determination of acidity (by pH measurement) and conductivity	EN 60754-2	-
IEC 60811-202	-	Electric and optical fibre cables - Test methods for non-metallic materials -- Part 202: General tests - Measurement of thickness of non-metallic sheath	EN 60811-202	-
IEC 60811-506	-	Electric and optical fibre cables - Test methods for non-metallic materials -- Part 506: Mechanical tests - Impact test at low temperature for insulations and sheaths	EN 60811-506	-

IEC 60811-509	-	Electric and optical fibre cables - Test methods for non-metallic materials -- Part 509: Mechanical tests - Test for resistance of insulations and sheaths to cracking (heat shock test)	EN 60811-509	-
IEC 61034-2	-	Measurement of smoke density of cables burning under defined conditions -- Part 2: Test procedure and requirements	EN 61034-2	-

IEC 60702-1

Edition 3.0 2015-01

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V – Part 1: Cables

Câbles à isolant minéral et leurs terminaisons de tension assignée ne dépassant pas 750 V – Partie 1: Câbles

IEC 60702-1:2002-02/AMD1:2015-01(en-fr)

IEC 60702-1

Edition 3.0 2015-01

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 29.060.20

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FOREWORD

This amendment has been prepared by IEC technical committee 20: Electric cables.

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

FDIS	Report on voting
20/1528/FDIS	20/1556/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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Replace the title and content of Clause 2 by the following:

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.

IEC 60227-1, *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V – Part 1: General requirements*

IEC 60228, *Conductors of insulated cables*

IEC 60331-1, *Tests for electric cables under fire conditions – Circuit integrity – Part 1: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter exceeding 20 mm*

IEC 60331-2, *Tests for electric cables under fire conditions – Circuit integrity – Part 2: Test method for fire with shock at a temperature of at least 830 °C for cables of rated voltage up to and including 0,6/1,0 kV and with an overall diameter not exceeding 20 mm*

IEC 60332-1-2, *Tests on electric and optical fibre cables under fire conditions – Part 1-2: Test for vertical flame propagation for a single insulated wire or cable – Procedure for 1 kW pre-mixed flame*

IEC 60754-2, *Test on gases evolved during combustion of materials from cables – Part 2: Determination of acidity (by pH measurement) and conductivity*

IEC 60811-202, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 202: General tests – Measurement of thickness of non-metallic sheath*

IEC 60811-506, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 506: Mechanical tests – Impact test at low temperature for insulations and sheaths*

IEC 60811-509, *Electric and optical fibre cables – Test methods for non-metallic materials – Part 509: Mechanical tests – Test for resistance of insulations and sheaths to cracking (heat shock test)*

IEC 61034-2, *Measurement of smoke density of cables burning under defined conditions – Part 2: Test procedure and requirements*