

Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V —

Part 1: Cables

ICS 29.060.20

National foreword

This British Standard is the UK implementation of EN 60702-1:2002+A1:2015. It is identical to IEC 60702-1:2002, incorporating amendment 1:2015. It supersedes BS EN 60702-1:2002, which will be withdrawn on 19 February 2018.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by **A1** **A1**.

The UK participation in its preparation was entrusted by Technical Committee GEL/20, Electric cables, to Subcommittee GEL/20/17, Electric Cables - Low voltage.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard, having been prepared under the direction of the Electrotechnical Sector Policy and Strategy Committee, was published under the authority of the Standards Policy and Strategy Committee on 10 April 2002

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Amendments/corrigenda issued since publication

Date	Comments
30 April 2015	Implementation of IEC amendment 1:2015 with CENELEC endorsement A1:2015. Annex ZA amended.

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

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

Mineralisierte Leitungen mit einer
Bemessungsspannung bis 750 V
Teil 1: Leitungen
(IEC 60702-1:2002)

This European Standard was approved by CENELEC on 2002-03-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 20/490/FDIS, future edition 3 of IEC 60702-1, prepared by IEC TC 20, Electric cables, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60702-1 on 2002-03-01.

This European Standard supersedes HD 586.1 S1:1994.

The following dates were fixed:

- latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2002-12-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2005-03-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60702-1:2002 was approved by CENELEC as a European Standard without any modification.

Foreword to amendment A1

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.
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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 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	-

CONTENTS

Annex ZA (normative) Normative references to international publications with their corresponding European publications.....	4
1 Scope	8
2 Normative references.....	8
3 Definitions	9
4 Voltage designations	9
4.1 500 V cable (light duty grade).....	9
4.2 750 V cable (heavy duty grade)	9
5 Conductors	10
6 Insulation.....	10
6.1 Composition	10
6.2 Thickness	10
7 Metallic sheath	10
7.1 Material	10
7.2 Sheath thickness	10
7.3 Sheath diameter and ovality.....	10
8 Optional outer covering.....	10
8.1 General	10
8.2 Material	11
8.3 Halogen-free covering	11
8.4 Thickness of covering	11
9 Marking	11
10 General notes on tests.....	12
11 Routine tests	12
11.1 General	12
11.2 Conductor resistance.....	12
11.3 Insulation resistance.....	13
11.4 Integrity of insulation and copper sheath.....	13
11.5 Spark test on outer covering	13
11.6 Diameter and ovality over copper sheath	14
12 Sample tests.....	14
12.1 General	14
12.2 Voltage test	14
12.3 Thickness of outer covering	15
12.4 Flame retardance.....	15
12.5 Emission of acidic and corrosive gases.....	15
12.6 Smoke emission	15
13 Type tests.....	16
13.1 General	16
13.2 Voltage test on completed cable	16
13.3 Resistance of copper sheath.....	16
13.4 Thickness of insulation	16
13.5 Thickness of copper sheath	17

13.6	Bending test	17
13.7	Flattening test.....	21
13.8	Fire resistance.....	22
14	500 V mineral insulated cable (light duty grade).....	22
14.1	Code designation.....	22
14.2	Rated voltage	22
14.3	Construction	22
14.4	Dimensions.....	22
14.5	Requirements	23
15	750 V mineral insulated cable (heavy duty grade)	23
15.1	Code designation.....	23
15.2	Rated voltage	23
15.3	Construction	24
15.4	Dimensions.....	24
15.5	Requirements	26