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BSI Standards Publication

Electrical accessories — Cable reels for household and similar purposes (IEC 1242:1995)

bsi.

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National foreword

This British Standard is the UK implementation of EN 61242:1997+A13:2017. It is identical to IEC 61242:1995, incorporating amendments 1:2008 and 2:2015. It supersedes EN 61242:1997+A2:2016, which is withdrawn.

To clarify the requirements for protection against excessive temperatures, the UK committee has proposed a modification to the text of the UK special national condition applicable to subclause 12.11.1: The fuse fitted in the plug in the UK system is not intended to provide protection to the cable reel in the reeled state. A thermal cut-out, current cut-out or weak point should be incorporated within the body of the cable reel.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to CENELEC text carry the number of the CENELEC amendment. For example, text altered by CENELEC amendment A13 is indicated by A13 A13.

The UK participation in its preparation was entrusted to Technical Committee PEL/23, Electrical accessories.

A list of organizations represented on this committee 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.

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ICS 29.120.99; 97.180; 55.060

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

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 15 April 1998.

Amendments/corrigenda issued since publication

Date	Text affected
31 October 2001	Missing clause number 20.2 on page 21
1 October 2004	CENELEC amendment A11:2004 replaced by A1:2008
31 July 2006	CENELEC amendment A12:2006 replaced by A1:2008
30 June 2011	Implementation of IEC amendment 1:2008 with its CENELEC endorsement A1:2008 (includes CEN corrigendum October 2010). BSI identifer aligned with CENELEC.
31 January 2014	National foreword text updated

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Date	Text affected
31 March 2016	Implementation of IEC amendment 2:2015 with CENELEC endorsement A2:2016
31 March 2018	Implementation of CENELEC amendment A13:2017

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EUROPÄISCHE NORM

ICS 97.180; 55.060

English Version

Electrical accessories — Cable reels for household and similar purposes (IEC 1242:1995, modified)

Petit appareillage électrique — Cordons prolongateurs enroulés sur tambour pour usages domestiques (CEI 1242:1995, modifiée)

Elektrisches installationsmaterial — Leitungsroller für den Hausgebrauch und ähnliche Zwecke (IEC 1242:1995, modifiziert)

This European Standard was approved by CENELEC on 1996-12-09. 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.

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



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Ref. No. EN 61242:1997+A13:2017: E

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European Foreword

The text of the International Standard IEC 1242:1995, prepared by SC 23B, Plugs, socket-outlets and switches, of IEC TC 23, Electrical accessories, together with common modifications prepared by the Technical Committee CENELECTC 23B, Switchesfor household and similar fixed electrical installations, was submitted to the formal vote and was approved by CENELEC as EN 61242 on 1996-12-09.

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)	1997-09-01
— latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	1997-09-01

For products which have complied with the relevant national standard before 1997-09-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 2002-09-01.

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annexes ZA and ZB are normative and annex ZC is informative.

Annexes ZA, ZB and ZC have been added by CENELEC.

Foreword to amendment A1

The text of document 23B/872/FDIS, future amendment 1 to IEC 61242:1995, prepared by SC 23B, Plugs, socket-outlets and switches, of IEC TC 23, Electrical accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 61242:1997 on 2008-03-01.

This amendment A1 supersedes amendments A11:2004 and A12:2006 to EN 61242:1997.

The following dates were fixed:

— latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2008-12-01
— latest date by which the national standards conflicting with the amendment have to be withdrawn	(dow)	2011-03-01

Annexes ZA, ZB and ZC have been added by CENELEC.

Foreword to amendment A2

The text of document 23B/1166/CDV, future IEC 61242:1995/A2, prepared by SC 23B, "Plugs, socket outlets and switches", of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61242:1997/A2:2016.

The following dates were fixed:

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- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-09-03
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2018-12-03

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).

Foreword to amendment A13

This document (EN 61242:1997/A13:2017) has been prepared by CLC/TC 23BX "Switches, boxes and enclosures for household and similar purposes, plugs and socket outlets for d.c. and for the charging of electrical vehicles including their connectors".

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) 2018-02-22
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2020-02-22

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.

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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.

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

Publication	Year	Title	EN/HD	Year
IEC 60050-441	1984	International Electrotechnical Vocabulary (IEV) - Chapter 441: Switchgear, controlgear and fuses	-	-
IEC 60112	2003	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN 60112	2003
IEC 60227	Series	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V	-	-
IEC 60245	Series	Rubber insulated cables - Rated voltages up to and including 450/750 V	-	-
IEC 60417	Data-base	Graphical symbols for use on equipment	-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 1993
IEC 60695-2-10	2000	Fire hazard testing - Part 2-10: Glowing/hot-wire based test methods - Glow-wire apparatus and common test procedure	EN 60695-2-10	2001
IEC 60695-2-11	2000	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2001
IEC 60730-2-9 (mod)	-	Automatic electrical controls for household and similar use - Part 2-9: Particular requirements for temperature sensing controls	EN 60730-2-9 +A11 +A12	2002 2003 2004
IEC 60884	Series	Plugs and socket-outlets for household and similar purposes	-	-
IEC 60999	Series	Connecting devices - Electrical copper conductors - Safety requirements for screw-type and screwless-type clamping units	EN 60999	Series
ISO 1456	2003	Metallic coatings - Electrodeposited coatings of nickel plus chromium and of copper plus nickel plus chromium	-	-
ISO 2081	1986	Metallic coatings - Electroplated coatings of zinc on iron or steel	-	-

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Publication	Year	Title	EN/HD	Year
ISO 2093	1986	Electroplated coatings of tin - Specification and test methods	—	—

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Annex ZB
(normative)

Special national conditions

Special national condition: National characteristic or practice that cannot be changed even over a long period, e.g. climatic conditions, electrical earthing conditions. If it affects harmonization, it forms part of the European Standard of Harmonization Document.

For the other countries in which the relevant special national conditions apply these provisions are normative, for other countries they are informative.

Clause	Special national condition
6.6	**Austria, Denmark, Finland, Germany, Norway, Switzerland**
	Cable reels not incoporating thermal cut-outs or current cut-outs are not allowed
7.1	**Austria**
	Cable reels not protected against harmful ingress of water have to be marked with the following warning: "For indoor use only!"
9.1	**Denmark**
	Delete the last indent
12	**Austria**
	Additional subclause:
	Cable reels for outdoor use have to be protected against harmful ingress of water at least by a degree of protection IPX4.
12.2	**Denmark, Portugal**
	Cable reels according to this subclause are not allowed.
	Norway, Sweden
	Replace the first sentence by:
	Cable reels with accessible metal parts connected to the earthing circuit shall have the handle or the part most likely to be grasped, when moving the cable reel, of insulating material or covered by insulating material. Compliance is checked by inspection and during the tests of **9**, **17** and **21**.
	Add at the end of the subclause the following:
	NOTE For other cable reels with accessible metal parts it is recommended that at least the handle should be of insulationg material or covered by insulating material.
12.11	**Belgium, Denmark, Finland, Norway**
	Cable reels incorporating fuses are not allowed.
12.12	**Denmark, Finland, Norway, Sweden**
	Replace "-10°C ± 2°C for approximately 8 h" by "-25°C ± 2°C for approximately 18 h"
21.2	**Denmark, Finland, Norway, Sweden**
	Replace "-10°C ± 2°C" by "-15°C ± 20°C"

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[A13]United Kingdom[A13]

<table>
<tr><td>12.11</td><td>The fuse fitted in the plug in the UK system is not intended to provide protection to the cable reel in the reeled state. A thermal cut-out, current cut-out or weak point shall be incorporated within the body of the cable reel.</td></tr>
<tr><td>1</td><td>• Cable reels with 2-core cables are not permitted in the UK;
• Cable reels with plugs and/or socket-outlets without earth are not permitted in the UK.</td></tr>
<tr><td>Table 1</td><td>In UK, the use of 1.25 mm^2 flexible cable complying with BS EN 50525-2-11 is permitted.</td></tr>
<tr><td>Table 3</td><td>In UK, add an additional row for 1.25 mm^2 flexible cable:
<table><tr><td>1.25</td><td>6.5</td><td>260</td><td>0.4</td></tr></table></td></tr>
<tr><td>Table 4</td><td>In UK, add an additional column for 1.25 mm^2 flexible
<table><tr><td>1.25</td></tr><tr><td>35</td></tr></table></td></tr>
<tr><td>Table 5</td><td>In UK, add an additional column for 1.25 mm^2 flexible cable:
<table><tr><td>1.25</td></tr><tr><td>50</td></tr></table></td></tr>
</table>

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Annex ZC
(informative)

A-Deviations

A-Deviation: National deviations due to regulation, the alterations of which is for the time being oustide the competence of CENELEC members.

This European Standard falls under Directive 73/23/EEC.

NOTE (from CEN/CENELEC IR Part 2, 3.1.9): Where standards fall under EC Directives, it is the view of the Commission of the European Communities (OJ No C 59; 1982-03-09) that the effect of the decision of the Court of Justice in case 815/79 Cremonini/Vrankovich (European Court Reports 1980, p.3583) is that compliance with A-deviations is no longer mandatory and that the free movement of the products complying with such a standard should not be restricted except under the safeguard procedure provided for the relevant Directive.

A-deviations in an EFTA-country are valid instead of the relevant provisions of the European Standard in that country until they have been removed.

Clause	Deviation
7.1	**BELGIUM**
	(Article 10- ministerial ordinance of 16th March 1993 on cable reels provided with mobile socket-outlet or with multiple socket-outlet with or without reeling device (moniteur belge du 4.05.1993).
	Cable reels not protected against harmful ingress of water shall have the following information "Do not use in wet environment".
12.17	**SPAIN**
	Royal Decree 842/2002: Spanish regulation on low voltage installations
	Socket-outlets and plugs shall be according to the standard sheets of UNE 20315-1-2.

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