BS EN 61914:2016

BSI Standards Publication

Cable cleats for electrical installations

This British Standard is the UK implementation of EN 61914:2016. It is identical to IEC 61914:2015. It supersedes BS EN 61914:2009 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PEL/213, Cable management.

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.

Published by BSI Standards Limited 2016

ISBN 978 0 580 84075 3
ICS 29.120.20

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 31 March 2016.

Amendments/corrigenda issued since publication

Date	Text affected

EUROPEAN STANDARD **EN 61914**

EUROPÄISCHE NORM

February 2016

ICS 29.120.20

Supersedes EN 61914:2009

English Version

Cable cleats for electrical installations (IEC 61914:2015)

Brides de câbles pour installations électriques
(IEC 61914:2015)

Kabelhalter für elektrische Installationen
(IEC 61914:2015)

This European Standard was approved by CENELEC on 2015-12-28. 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.

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

Ref. No. EN 61914:2016 E

The text of document 23A/786/FDIS, future edition 2 of IEC 61914, prepared by SC 23A “Cable management systems” of IEC/TC 23 “Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61914:2016.

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)	2016-09-28
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2018-12-28

This document supersedes EN 61914:2009.

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 61914:2015 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60068-2-75	NOTE	Harmonized as EN 60068-2-75.
IEC 60909-0	NOTE	Harmonized as EN 60909-0.

(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

Publication	Year	Title	EN/HD	Year
IEC 60060-1	2010	High-voltage test techniques - Part 1: General definitions and test requirements	EN 60060-1	2010
IEC 60695-11-5	2004	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	2005
ISO 4287	1997	Geometrical Product Specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters	EN ISO 4287	1998
ISO 4892-2	2006	Plastics - Methods of exposure to laboratory light sources - Part-2: Xenon-arc lamps	EN ISO 4892-2	2006 [1)]
ISO 9227	2012	Corrosion tests in artificial atmospheres - Salt spray tests	EN ISO 9227	2012

[1)] Superseded by EN ISO 4892-2:2013 (ISO 4892-2:2013).

CONTENTS

FOREWORD 4
1 Scope 6
2 Normative references 6
3 Terms, definitions and abbreviations 6
4 General requirements 8
5 General notes on tests 8
6 Classification 9
6.1 According to material 9
6.1.1 Metallic 9
6.1.2 Non-metallic 9
6.1.3 Composite 9
6.2 According to maximum and minimum temperature 9
6.3 According to resistance to impact 10
6.3.1 Very light 10
6.3.2 Light 10
6.3.3 Medium 10
6.3.4 Heavy 10
6.3.5 Very heavy 10
6.4 According to type of retention or resistance to electromechanical forces or both 10
6.4.1 General 10
6.4.2 With lateral retention 10
6.4.3 With axial retention 10
6.4.4 Resistant to electromechanical forces, withstanding one short circuit 10
6.4.5 Resistant to electromechanical forces, withstanding more than one short circuit 10
6.5 According to environmental influences 10
6.5.1 Resistant to ultraviolet light for non-metallic and composite components 10
6.5.2 Resistant to corrosion for metallic and composite components 10
7 Marking and documentation 10
7.1 Marking 10
7.2 Durability and legibility 11
7.3 Documentation 11
8 Construction 11
9 Mechanical properties 11
9.1 Requirements 11
9.2 Impact test 12
9.3 Lateral load test 14
9.4 Axial load test 15
9.5 Test for resistance to electromechanical force 17
9.5.1 General 17
9.5.2 For cable cleats and intermediate restraints classified in 6.4.4 19
9.5.3 For cable cleats and intermediate restraints classified in 6.4.5 19
10 Fire hazards 19
10.1 Flame propagation 19