



BSI Standards Publication

Powertrack systems

Part 22: Particular requirements for powertrack systems
intended for onfloor or underfloor installation

National foreword

This British Standard is the UK implementation of EN 61534-22:2014+A11:2021. It is derived from IEC 61534-22:2014, incorporating amendment 1:2021. It supersedes BS EN 61534-22:2014, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to text carry the number of the CENELEC amendment. For example, text altered by CENELEC amendment A11 is indicated by A11 A11. 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 to Technical Committee PEL/213, Cable management.

A list of organizations represented on this committee can be obtained on request to its committee manager.

This publication has been prepared under a mandate given to the European Standards Organizations by the European Commission and the European Free Trade Association. It is intended to support requirements of the EU legislation detailed in the European Foreword. A European Annex, usually Annex ZA or ZZ, describes how this publication relates to that EU legislation.

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Amendments/corrigenda issued since publication

Date	Text affected
31 December 2021	Implementation of IEC amendment 1:2021 with CENELEC endorsement A1:2021
31 December 2021	Implementation of CENELEC amendment A11:2021

English Version

**Powertrack systems - Part 22: Particular requirements for
powertrack systems intended for onfloor or underfloor installation
(IEC 61534-22:2014)**

Systèmes de conducteurs préfabriqués - Partie 22:
Exigences particulières pour les systèmes de conducteurs
préfabriqués destinés au montage sur le sol ou sous le sol
(CEI 61534-22:2014)

Stromschienensysteme - Teil 22: Besondere Anforderungen
für Stromschienensysteme für Fußbodeninstallationen
(IEC 61534-22:2014)

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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

European foreword

The text of document 23A/702/FDIS, future edition 2 of IEC 61534-22, 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 61534-22:2014.

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) 2015-04-24
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-07-24

This document supersedes EN 61534-22:2009.

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 61534-22:2014 was approved by CENELEC as a European Standard without any modification.

European foreword to amendment A1

The text of document 23A/927/CDV, future IEC 61534-22/AMD1, 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 61534-22:2014/A1:2021.

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) 2022-03-24
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-09-24

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For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of EN 61534-22:2014/A11:2021.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 61534-22:2014/AMD1:2021 was approved by CENELEC as a European Standard without any modification.

European foreword to amendment A11

This document (EN 61534-22:2014/A11:2021) has been prepared by CLC/TC 213 “Cable management systems”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by (dop) 2022-03-24
publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with this (dow) 2024-09-24
document have to be withdrawn

This document amends EN 61534-22:2014/A1:2021.

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This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of this document.

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Annex ZA
(normative)

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

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 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 61534-1:2011/A2	2020	Powertrack systems - Part 1: General requirements	EN 61534-1:2011/A2	2021

Annex ZZ (informative)

Relationship between this European Standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European Standard has been prepared under a Commission's standardization request relating to harmonized standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonization of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

**Table ZZ.1 — Correspondence between this European Standard
and Annex I of Directive 2014/35/EU [2014 OJ L96]**

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
(1)(a)	Clause 8 Marking and documentation	
(1)(b)	Clause 7 Classification Clause 8 Marking and documentation Clause 9 Construction	
(1)(c)	Clause 3 Terms and definitions Clause 4 General requirements Clause 6 Ratings Clause 7 Classification Refer to (2)(a) to (2)(d) and (3)(a) to (3)(c) below	
(2)(a)	Clause 4 General requirements Clause 5 General notes on tests Clause 6 Ratings Clause 7 Classification Clause 9 Construction Clause 10 clearances, creepage distances and solid insulation Clause 11 Protection against electric shock Clause 12 Terminals and terminations Clause 13 Screws, current carrying parts and connections Clause 14 Mechanical strength Clause 15 Insulation resistance test and dielectric strength test Clause 16 Normal operation Clause 21 External influences	

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
(2)(b)	Clause 4 General requirements Clause 5 General notes on tests Clause 15 Insulation resistance test and dielectric strength test Clause 17 Temperature rise Clause 18 Short-circuit protection and short-circuit withstand strength Clause 19 Resistance to Heat Clause 20 Fire Hazard	
(2)(c)	Clause 4 General requirements Clause 5 General notes on tests Clause 9 Construction Clause 14 Mechanical strength Clause 19 Resistance to Heat Clause 20 Fire Hazard Clause 21 External influences	
(2)(d)	Clause 4 General requirements Clause 5 General notes on tests Clause 7 Classification Clause 11 Protection against electric shock Clause 15 Insulation resistance test and dielectric strength test Clause 16 Normal operation	
(3)(a)	Clause 4 General requirements Clause 5 General notes on tests Clause 7 Classification Clause 9 Construction Clause 14 Mechanical strength Clause 19 Resistance to Heat Clause 21.1 Resistance to corrosion	
(3)(b)	Clause 4 General requirements Clause 5 General notes on tests Clause 7 Classification Clause 19 Resistance to Heat Clause 20 Fire Hazard Clause 21 External influences Clause 22 Electromagnetic compatibility	
(3)(c)	Clause 18 Short-circuit protection and short-circuit withstand strength	

WARNING 1 — Presumption of conformity stays valid only as long as a reference to this European Standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2 — Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

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