



NSAI
Standards

Irish Standard
I.S. EN 61386-25:2011

Conduit systems for cable management
-- Part 25: Particular requirements -
Conduit fixing devices (IEC 61386
-25:2011 (EQV))

I.S. EN 61386-25:2011

Incorporating amendments/corrigenda issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard – national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation - recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

<i>This document replaces:</i>	<i>This document is based on:</i> EN 61386-25:2011	<i>Published:</i> 18 November, 2011
This document was published under the authority of the NSAI and comes into effect on: 23 November, 2011		ICS number: 29.120.10
NSAI 1 Swift Square, Northwood, Santry Dublin 9	T +353 1 807 3800 F +353 1 807 3838 E standards@nsai.ie W NSAI.ie	Sales: T +353 1 857 6730 F +353 1 857 6729 W standards.ie
Údarás um Chaighdeáin Náisiúnta na hÉireann		

EUROPEAN STANDARD

EN 61386-25

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2011

ICS 29.120.10

English version

**Conduit systems for cable management -
Part 25: Particular requirements -
Conduit fixing devices
(IEC 61386-25:2011)**

Systèmes de conduits pour la gestion du câblage -
Partie 25: Exigences particulières -
Dispositifs de fixation de conduit
(CEI 61386-25:2011)

Elektroinstallationsrohrsysteme für elektrische Energie und für Informationen -
Teil 25: Besondere Anforderungen für Rohrhalter
(IEC 61386-25:2011)

This European Standard was approved by CENELEC on 2011-10-27. 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, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 23A/635/FDIS, future edition 1 of IEC 61386-25, 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 61386-25:2011.

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) 2012-07-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2014-10-27

This standard is to be used in conjunction with EN 61386-1:2008.

The clauses of the particular requirements of this Part 25 add to or modify the corresponding clauses in Part 1. Where the text of Part 25 indicates an "addition" to or a "deletion" or a "replacement" of the relevant requirement, test specification or explanation of Part 1, these changes are made to the relevant text of Part 1, which then becomes part of the standard. Where no change is necessary, the words "This clause of Part 1 is applicable" are used in Part 25. Subclauses or figures that are additional to those in Part 1 are numbered starting from 101.

NOTE The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

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.

Endorsement notice

The text of the International Standard IEC 61386-25:2011 was approved by CENELEC as a European Standard without any modification.

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

Addition to Annex ZA of EN 61386-1:2008:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
ISO 4287	-	Geometrical Product Specifications (GPS) - Surface texture: Profile method - Terms, definitions and surface texture parameters	EN ISO 4287	-

This page is intentionally left BLANK.

CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Terms and definitions	5
4 General requirements	6
5 General conditions for tests	6
6 Classification.....	6
7 Marking and documentation.....	7
8 Dimensions	8
9 Construction	8
10 Mechanical properties	8
11 Electrical properties.....	11
12 Thermal properties	11
13 Fire hazard.....	11
14 External influences	11
15 Electromagnetic compatibility	12
Annex A (normative) Classification coding for conduit fixing devices.....	16
Figure 101 – Arrangement for lateral load test with mandrel	13
Figure 102 – Arrangement for lateral load test with conduit.....	14
Figure 103 – Arrangement for axial load test.....	15
Table 2 – Upper temperature range	7
Table 101 – Lateral load for test	10

INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONDUIT SYSTEMS FOR CABLE MANAGEMENT –**Part 25: Particular requirements –
Conduit fixing devices**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61386-25 has been prepared by subcommittee 23A: Cable management systems, of IEC technical committee 23: Electrical accessories.

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

FDIS	Report on voting
23A/635/FDIS	23A/637/RVD

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

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

This standard is to be read in conjunction with IEC 61386-1:2008, *Conduit systems for cable management – Part 1: General requirements*.

The clauses of the particular requirements of this Part 25 add to or modify the corresponding clauses in Part 1. Where the text of Part 25 indicates an "addition" to or a "deletion" or a "replacement" of the relevant requirement, test specification or explanation of Part 1, these changes are made to the relevant text of Part 1, which then becomes part of the standard. Where no change is necessary, the words "This clause of Part 1 is applicable" are used in Part 25. Subclauses or figures that are additional to those in Part 1 are numbered starting from 101.

NOTE The following print types are used:

- requirements: in roman type;
- *test specifications: in italic type;*
- notes: in small roman type.

A list of all the parts in the IEC 61386 series, under the general title *Conduit systems for cable management*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site 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.

CONDUIT SYSTEMS FOR CABLE MANAGEMENT –

Part 25: Particular requirements – Conduit fixing devices

1 Scope

This clause of Part 1 is applicable except as follows:

Replacement in the first paragraph of the words “conduit fittings” by “conduit fittings and conduit fixing devices”.

Addition at the end of the clause:

This part of IEC 61386 specifies requirements and tests for conduit fixing devices used for support and/or retention of conduit for cable management.

2 Normative references

This clause of Part 1 is applicable with the following exception:

Addition:

ISO 4287, *Geometrical Product Specifications (GPS) – Surface texture: Profile method – Terms, definitions and surface texture parameters*

3 Terms and definitions

This clause of Part 1 is applicable, except as follows:

Addition:

3.101 conduit fixing device

device designed to provide retention of conduit(s) when installed at intervals along the length of the conduit. A conduit fixing device is designed so that it can be securely fixed to a mounting surface.

3.102 metallic conduit fixing device

fixing device consisting of metal only

3.103 non-metallic conduit fixing device

fixing device consisting of non-metallic material only

3.104 composite conduit fixing device

fixing device comprising both metal and non-metallic materials

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-