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## **EESTI STANDARDI EESSÕNA**

## NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60512-17-	This Estonian standard EVS-EN 60512-17-
3:2010 sisaldab Euroopa standardi EN 60512-	3:2010 consists of the English text of the
17-3:2010 ingliskeelset teksti.	European standard EN 60512-17-3:2010.
Standard on kinnitatud Eesti Standardikeskuse	This standard is ratified with the order of
31.10.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.	Estonian Centre for Standardisation dated 31.10.2010 and is endorsed with the notification
	published in the official bulletin of the Estonian
	national standardisation organisation.
Euroopa standardimisorganisatsioonide poolt	Date of Availability of the European standard text
rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on	10.09.2010.
10.09.2010.	
Standard on kättesaadav Eesti	The standard is available from Estonian
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millisel teel on keelatud ilma Eesti Standardikeskuse poolt antud kiria	

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## EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

## EN 60512-17-3

September 2010

ICS 31.220.01

English version

## Connectors for electronic equipment -Tests and measurements -Part 17-3: Cable clamping tests -Test 17c: Cable clamp resistance to cable pull (tensile) (IEC 60512-17-3:2010)

Connecteurs pour équipements électroniques - Essais et mesures -Partie 17-3: Essais de maintien des câbles -Essai 17c: Résistance de la pince de maintien des câbles au tirage (CEI 60512-17-3:2010) Steckverbinder für elektronische Einrichtungen - Mess- und Prüfverfahren -Teil 17-3: Prüfungen der Kabelabfangung -Prüfung 17c: Widerstandsfähigkeit der Kabelabfangung gegen axialen Zug (IEC 60512-17-3:2010)

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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.

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# CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

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#### Foreword

The text of document 48B/2156/FDIS, future edition 1 of IEC 60512-17-3, prepared by SC 48B, Connectors, of IEC TC 48, Electromechanical components and mechanical structures for electronic equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60512-17-3 on 2010-09-01

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

<ul> <li>latest date by which the EN has to be implemented at national level by publication of an identical</li> </ul>		
national standard or by endorsement	(dop)	2011-06-01
<ul> <li>latest date by which the national standards conflicting with the EN have to be withdrawn</li> </ul>	(dow)	2013-09-01

Annex ZA has been added by CENELEC.

## **Endorsement notice**

The text of the International Standard IEC 60512-17-3:2010 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.

Publication IEC 60512-1-1	<u>Year</u> -	<u>Title</u> Connectors for electronic equipment - Tests and measurements - Part 1-1: General examination - Test 1a: Visual examination	<u>EN/HD</u> EN 60512-1-1	<u>Year</u> -
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## CONNECTORS FOR ELECTRONIC EQUIPMENT – TESTS AND MEASUREMENTS –

## Part 17-3: Cable clamping tests – Test 17c: Cable clamp resistance to cable pull (tensile)

## 1 Scope and object

This part of IEC 60512, when required by the detail specification, is used for testing connectors within the scope of technical committee 48. It may also be used for similar devices when specified in a detail specification.

The object of this standard is to detail a standard test method to assess the ability of a cableclamping device to prevent longitudinal movement of the cable/wire bundle.

## 2 Normative references

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.

IEC 60512-1-1, Connectors for electronic equipment – Tests and measurements – Part 1-1: General examination – Test 1a: Visual examination

## 3 Preparation of the specimen

The specimen shall consist of the specified cable/wire bundle fitted in the normal manner to its associated component or sub-assembly by means of the cable-clamping device.

The specimen shall be prepared and mounted in accordance with the detail specification.

## 4 Test method

This test shall be done by means of a suitable device to measure and control the forces, e.g. a universal materials testing machine.

With the specimen rigidly mounted in such an attitude that the cable/wire bundle is in a vertical position, a specified tensile force shall be applied axially to the free end of the cable/wire bundle. This force shall be increased gradually at a rate not exceeding 20 N/s until the specified value is reached. The maximum value shall be maintained for 1 min, unless otherwise specified in the detail specification.

#### 5 Final measurements

The specimen shall be examined visually in accordance with IEC 60512-1-1, test 1a at the junction of the cable/wire bundle and the clamping device and at the junction of the clamping device and the component or sub-assembly.