

Connectors for electronic equipment - Tests and measurements - Part 17-4: Cable clamping tests - Test 17d: Cable clamp resistance to cable torsion

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60512-17-4:2010 sisaldab Euroopa standardi EN 60512-17-4:2010 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 31.10.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 10.09.2010.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-EN 60512-17-4:2010 consists of the English text of the European standard EN 60512-17-4:2010.

This standard is ratified with the order of 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.

Date of Availability of the European standard text 10.09.2010.

The standard is available from Estonian standardisation organisation.

ICS 31.220.01

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**Connectors for electronic equipment -
Tests and measurements -
Part 17-4: Cable clamping tests -
Test 17d: Cable clamp resistance to cable torsion
(IEC 60512-17-4:2010)**

Connecteurs pour équipements
électroniques - Essais et mesures -
Partie 17-4: Essais de maintien
des câbles -
Essais 17d: Résistance de la pince
de maintien du câble à la torsion
des câbles
(CEI 60512-17-4:2010)

Steckverbinder für elektronische
Einrichtungen - Mess- und Prüfverfahren -
Teil 17-4: Prüfungen der Kabelabfangung -
Prüfung 17d: Widerstandsfähigkeit
der Kabelabfangung gegen Kabeltorsion
(IEC 60512-17-4:2010)

This European Standard was approved by CENELEC on 2010-09-01. 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.

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CENELEC

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

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Foreword

The text of document 48B/2157/FDIS, future edition 1 of IEC 60512-17-4, 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 60512-17-4 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:

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

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60512-17-4:2010 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60512-1-1	-	Connectors for electronic equipment - Tests and measurements - Part 1-1: General examination - Test 1a: Visual examination	EN 60512-1-1	-

CONNECTORS FOR ELECTRONIC EQUIPMENT – TESTS AND MEASUREMENTS –

Part 17-4: Cable clamping tests – Test 17d: Cable clamp resistance to cable torsion

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 cable-clamping device to prevent the rotation of the cable/wire bundle around its axis.

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 torque, e.g. a universal torque tester.

With the specimen rigidly mounted, a torque shall be applied to the cable/wire bundle at a specified distance from the cable-clamping device. This torque shall be increased gradually at a rate not exceeding 0,5 Nm/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 according to 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.