

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Connectors for electronic equipment – Tests and measurements –
Part 17-2: Cable clamping tests – Test 17b: Cable clamp resistance to cable
rotation**

**Connecteurs pour équipements électroniques – Essais et mesures –
Partie 17-2: Essais de pincement de câble – Essai 17b: Résistance des pinces
de maintien des câbles à la rotation des câbles**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**CONNECTORS FOR ELECTRONIC EQUIPMENT –
TESTS AND MEASUREMENTS –****Part 17-2: Cable clamping tests –
Test 17b: Cable clamp resistance to cable rotation**

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International Standard IEC 60512-17-2 has been prepared by subcommittee 48B: Connectors, of IEC technical committee 48: Electromechanical components and mechanical structures for electronic equipment.

This standard cancels and replaces Test 17b of IEC 60512-9, issued in 1992 and constitutes a technical revision.

This standard is to be read in conjunction with IEC 60512-1 and IEC 60512-1-100, which explains the structure of the IEC 60512 series.

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

CDV	Report on voting
48B/2124/CDV	48B/2217/RVC

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.

A list of all parts in the IEC 60512 series, under the general title *Connectors for electronic equipment – Tests and measurements*, 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

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CONNECTORS FOR ELECTRONIC EQUIPMENT – TESTS AND MEASUREMENTS –

Part 17-2: Cable clamping tests – Test 17b: Cable clamp resistance to cable rotation

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 method to assess the ability of a cable-clamping device to allow rotary movement of the cable/wire bundle without damage to the external surface of the cable/wire bundle, the cable-clamping device, the connector or the sub-assembly.

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, *Connectors for electronic equipment – Tests and measurements – Part 1: General*

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

IEC 60512-1-100, *Connectors for electronic equipment – Tests and measurements – Part 1-100: General – Applicable publications*

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

The free end of the cable/wire bundle shall be deflected at an angle of 45° to 50° to the axis at the point of entry to the specimen and rotated 360°, see Figure 1. The number and the speed of the rotations shall be stated in the detail specification.