
Preskušanje urejenega kabliranja za komunikacije v skladu s standardom EN 50173 – 2. del: Povezovalne vrvice in vrvice za delovna območja (EN 61935-2:2005)

Testing of balanced communication cabling in accordance with standards series EN 50173 - Part 2: Patch cords and work area cords (EN 61935-2:2005)

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EUROPEAN STANDARD

EN 61935-2

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2005

ICS 33.04.20; 33.120.20

Supersedes EN 61935-2:2003
Incorporates Corrigendum December 2005

English version

**Testing of balanced communication cabling in accordance
with standards series EN 50173
Part 2: Patch cords and work area cords
(IEC 61935-2:2005)**

Essais de câblages
de télécommunications symétriques
selon la série de normes EN 50173
Partie 2: Cordons de brassage et cordons
de zone de travail
(CEI 61935-2:2005)

Prüfung der symmetrischen
Kommunikationsverkabelung
nach der Normenreihe EN 50173
Teil 2: Rangierschnüre und
Geräteanschlusschnüre
(IEC 61935-2:2005)

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This European Standard was approved by CENELEC on 2005-10-01. 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.

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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 46A/726/FDIS, future edition 2 of IEC 61935-2, prepared by SC 46A, Coaxial cables, of IEC TC 46, Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61935-2 on 2005-10-01.

This European Standard supersedes EN 61935-2:2003 + corrigendum September 2003.

Significant technical changes with respect to EN 61935-2:2003 include requirements for NEXT.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2006-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2008-10-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 61935-2:2005 was approved by CENELEC as a European Standard without any modification.

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Corrigendum to EN 61935-2:2005

Title page

Replace "ISO/IEC 11801" by "standards series EN 50173".

General

Replace all other occurrences of "ISO/IEC 11801" by "EN 50173".

This replacement is to be made in the introduction and in Subclauses 4.1, 5.6.5 and 5.7.5 (Note).

Replace all occurrences of "IEC 61935-1" by "EN 61935-1".

This replacement is to be made in (sub)clauses 3, 4.3 (three times), 5.3, 5.4, 5.5, 5.6.3, 5.7.3 and 5.7.5.

Clause 1, Scope

Replace the text by:

This part of EN 61935 provides methods to ensure compatibility of modular plug cords to be used in cabling according to EN 50173 and provides test methods and associated requirements to demonstrate the performance and reliability of these cords during their operational lifetime.

Clause 2, Normative references

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Replace the references to IEC 61935-1 and ISO/IEC 11801 by:

EN 61935-1:2005, *Generic cabling systems - Specification for the testing of balanced communication cabling in accordance with standards series EN 50173 – Part 1: Installed cabling* (IEC 61935-1:2005, mod.)

EN 50173, series, *Information technology - Generic cabling systems*

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 Where 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>
–	–	Information technology - Generic cabling systems	EN 50173	Series
IEC 60068-2-61	– ¹⁾	Environmental testing Part 2: Test methods - Test Z/ABDM: Climatic sequence	EN 60068-2-61	1993 ²⁾
IEC 60603-7	Series	Connectors for electronic equipment Part 7: Detail specification for connectors, 8-way, including fixed and free connectors with common mating features, with assessed quality	EN 60603-7	Series
IEC 61076-3-104	- ¹⁾	Connectors for electronic equipment Part 3-104: Rectangular connectors - Detail specification for 8-way, shielded free and fixed connectors for data transmissions with frequencies up to 600 MHz minimum	EN 61076-3-104	2003 ²⁾
IEC 61156	Series	Multicore and symmetrical pair/quad cables for digital communications	-	-
IEC 61935-1 (mod)	- ¹⁾	Testing of balanced communication cabling in accordance with standards series EN 50173 Part 1: Installed cabling	EN 61935-1	2005 ²⁾

1) Undated reference.

2) Valid edition at date of issue.

NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC

61935-2

Deuxième édition
Second edition
2005-09

**Essais de câblages de télécommunications
symétriques selon l'ISO/IEC 11801 –**

**Partie 2:
Cordons de brassage et cordons
de zone de travail**

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in accordance with ISO/IEC 11801 –**

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**Part 2:
Patch cords and work area cords**

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Commission Electrotechnique Internationale
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CONTENTS

FOREWORD.....	7
INTRODUCTION.....	11
1 Scope.....	13
2 Normative references	13
3 Terms and definitions	13
4 General requirements and test configuration	15
4.1 Cable and connector design	15
4.2 Cable assembly, cable and connector tests	15
4.3 Test configuration and equipment.....	15
4.4 Modular plug-cord test requirements	19
5 Acceptance tests	21
5.1 Visual inspection	21
5.2 Wire map.....	21
5.3 Propagation delay	23
5.4 Delay skew.....	23
5.5 Insertion loss.....	23
5.6 Return loss.....	23
5.7 Near end crosstalk (NEXT).....	25
6 Periodic tests	27
6.1 General	27
6.2 Tensile strength	27
6.3 Flexure.....	27
6.4 Bending.....	29
6.5 Twisting.....	31
6.6 Crushing	33
6.7 Dust test.....	35
6.8 Coupling attenuation	39
6.9 Climatic sequence.....	39
7 Test-head requirements.....	41
7.1 General	41
7.2 Minimum requirements for all test-head designs.....	41
7.3 Additional FEXT requirements for modular 8-pin compatible test heads.....	41
7.4 Additional return loss requirements for modular 8-pin compatible test heads.....	41
7.5 NEXT loss centring requirements for modular 8-pin compatible test heads.....	41

Figure 1 – Transmission performance test configuration for patch cords for NEXT and return loss	17
Figure 2 – Required test set-up (Cat.5, Cat.6, Cat.7, screened, unscreened) for patch cords for NEXT and return loss	17
Figure 3 – Correct pairing	21
Figure 4 – Incorrect pairing	23
Figure 5 – Fixture for cable assembly flexure test	29
Figure 6 – Bending test: assembly in U shape	31
Figure 7 – Twisting test: assembly in U shape	33
Figure 8 – Fixture for cable crushing test	35
Figure 9 – Measuring device	39
Figure 10 – Centring of NEXT properties of the modular 8-pin test head	43

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SIST EN 61935-2:2006

<https://standards.iteh.ai/catalog/standards/sist/436784b5-d89c-4afc-825e-aaf16a01ef99/sist-en-61935-2-2006>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**TESTING OF BALANCED COMMUNICATION CABLING
IN ACCORDANCE WITH ISO/IEC 11801 –****Part 2: Patch cords and work area cords**

FOREWORD

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International Standard IEC 61935-2 has been prepared by subcommittee 46A: Coaxial cables, of IEC technical committee 46: Cables, wires, waveguides, r.f. connectors, r.f. and microwave passive components and accessories.

This second edition cancels and replaces the first edition published in 2003 and constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition: requirements for NEXT.

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

FDIS	Report on voting
46A/726/FDIS	46A/763/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.

IEC 61935 consists of the following parts, under the general title *Testing of balanced communication cabling in accordance with ISO/IEC 11801*:

Part 1: Installed cabling

Part 2: Patch cords and work area cords

The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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.

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