



SLOVENSKI STANDARD
SIST EN 50395:2005/A1:2011
01-maj-2011

**Metode za preskušanje električnih lastnosti nizkonapetostnih energetskih kablov -
Dopolnilo A1**

Electrical test methods for low voltage energy cables

Elektrische Prüfverfahren für Niederspannungskabel und -leitungen

Méthodes d'essais électriques pour les câbles d'énergie basse tension

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Ta slovenski standard je istoveten z: EN 50395:2005/A1:2011

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ICS:

29.060.20 Kabli Cables

SIST EN 50395:2005/A1:2011 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50395/A1

March 2011

ICS 29.060.20

English version

Electrical test methods for low voltage energy cables

Méthodes d'essais électriques pour les câbles d'énergie basse tension

Elektrische Prüfverfahren für Niederspannungskabel und -leitungen

This amendment A1 modifies the European Standard EN 50395:2005; it was approved by CENELEC on 2011-03-14. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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, 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

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Foreword

This amendment was prepared by the Technical Committee CENELEC TC 20, Electric cables.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 50395:2005 on 2011-03-14.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-03-14
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2014-03-14

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2 Normative references

Delete EN 50356 from the list and **add** the following normative reference:

EN 62230:2007, *Electric cables – Spark test method*

10.2 Spark test

In 10.2.1 **replace** EN 50356 by EN 62230.

Annex A

In A.1 **delete** the existing NOTE and **insert**:

NOTE For many common insulation compounds, for instance those based on PVC or on thermoplastic polyolefines, the volume resistivity at the operating temperature of the relevant cable is assumed to be $10^{18} \Omega \cdot \text{m}$. In these cases the general formula reduces to:

$$R = 0,0367 \cdot \log\left(\frac{D}{d}\right) \text{ M}\Omega \cdot \text{km}$$

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