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Aluminium-clad steel wires for electrical purposes

Aluminium-ummantelte Stahldrähte für die Elektrotechnik

Fils d'acier revêtus d'aluminium pour usages électriques

Ta slovenski standard je istoveten z: EN 61232:1995/A11:2000

[SIST EN 61232:1996/A11:2002](https://standards.iteh.ai/catalog/standards/sist/bb20434f-9cce-4970-a100-1104f0f538ec/sist-en-61232-1996-a11-2002)

<https://standards.iteh.ai/catalog/standards/sist/bb20434f-9cce-4970-a100-1104f0f538ec/sist-en-61232-1996-a11-2002>

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29.060.10

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Wires

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61232/A11

November 2000

ICS 29.060.10

English version

Aluminium-clad steel wires for electrical purposes

Fils d'acier revêtus d'aluminium pour
usages électriques

Aluminium-ummantelte Stahldrähte für
die Elektrotechnik

This amendment A11 modifies the European Standard EN 61232:1995; it was approved by CENELEC on 2000-01-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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

This amendment was prepared by the Technical Committee CENELEC TC 7, Overhead electrical conductors.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A11 to EN 61232:1995 on 2000-01-01.

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) 2001-05-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2003-01-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annexes ZB and ZC are informative.

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Amendment A11 to EN 61232:1995

[SIST EN 61232:1996/A11:2002](https://standards.iteh.ai/catalog/standards/sist-en-61232-1996-a11-2002)

Table 5 - Tensile and resistivity requirements of wires (before stranding)-

[110410538ec/sist-en-61232-1996-a11-2002](https://standards.iteh.ai/catalog/standards/sist-en-61232-1996-a11-2002)

Delete column 7 headed "Endurance tensile stress"

Delete the footnote below the table.

Add:

NOTE See annexes ZB and ZC.

Add the new annexes ZB and ZC as follows:

Annex ZB (informative)

Endurance tensile stress

In some countries, there is a requirement to calculate the endurance tensile stress of a stranded conductor. The endurance tensile stress is defined as the maximum, constantly held tensile stress which can be withstood for one year without fracture, as shown in column 4 of table ZB.1.

**Table ZB.1 — Tensile requirements of wires (before stranding),
including endurance tensile stress**

1	2	3		4
Class	Type	Nominal diameter		Endurance tensile stress*
		Over	Up to and including	
		mm	mm	Min. MPa
20SA	A	1,24	3,25	1 230
		3,25	3,45	1 200
		3,45	3,65	1 170
		3,65	3,95	1 150
		3,95	4,10	1 110
		4,10	4,40	1 080
		4,40	4,60	1 050
		4,60	4,75	1 010
	B	1,24	5,50	980
27SA	-	2,50	5,00	990
30SA	-	2,50	5,00	810
40SA	-	2,50	5,00	620
* The endurance tensile stress is taken as 92% of the tensile stress value of the wire before stranding, as specified in column 4 of table 5.				

Annex ZC (informative)

A-deviations

A-deviation: National deviation due to regulations, the alteration of which is for the time being outside the competence of the CEN/CENELEC member.

This European Standard does not fall under any Directive of the EC.

In the relevant CENELEC countries these A-deviations are valid instead of the provisions of the European Standard until they have been removed.

<u>Clause</u>	<u>Deviation</u>
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Table ZB.1	Austria (Standard ÖVE-L11/1979, Clause 11, mandatory as per Austrian Electrotechnical Decree "Elektrotechnikverordnung 1996, BGBl. No. 105 of March 7th, 1996")
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Overhead conductors have to be dimensioned according to the endurance tensile stress. Thus, Table ZB.1 has to be considered as a normative part of the EN.

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