

01-junij-2026**Nadomešča:**
SIST EN 50483-2:2009

Zahteve za preskušanje pribora za nizkonapetostne izolirane nadzemne kable - 2. del: Napenjalne in vzmetne objemke, zatezne in nosilne sponke za samonosilne sisteme

Test requirements for low voltage aerial bundled cable accessories - Part 2: Tension and suspension clamps, fittings and brackets for self supporting system

Prüfanforderungen für Bauteile für isolierte Niederspannungsfreileitungen - Teil 2: Abspann- und Tragklammern für selbsttragende isolierte Freileitungsseile

Prescriptions relatives aux essais des accessoires pour réseaux aériens basse tension torsadés - Partie 2: Matériels d'ancrage et de suspension pour réseaux aériens en conducteurs isolés torsadés auto-portés

Ta slovenski standard je istoveten z: EN 50483-2:2026**ICS:**

29.240.20 Daljnovodi Power transmission and
distribution lines

SIST EN 50483-2:2026 **en**

Sample Document

get full document from standards.iteh.ai

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 50483-2

April 2026

ICS 29.240.20

Supersedes EN 50483-2:2009

English Version

**Test requirements for low voltage aerial bundled cable
accessories - Part 2: Tension and suspension clamps, fittings
and brackets for self-supporting system**

Prescriptions relatives aux essais des accessoires pour
réseaux aériens basse tension torsadés - Partie 2:
Matériels d'ancrage et de suspension pour réseaux aériens
en conducteurs isolés torsadés auto-portés

Prüfanforderungen für Bauteile für isolierte
Niederspannungsfreileitungen - Teil 2: Abspann- und
Tragklammen für selbsttragende isolierte Freileitungsseile

This European Standard was approved by CENELEC on 2026-03-09. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre 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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Türkiye and the United Kingdom.



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

© 2026 CENELEC All rights of exploitation in any form and by any means reserved worldwide for CENELEC Members.

Ref. No. EN 50483-2:2026 E

Contents		Page
European foreword		3
Introduction		4
1	Scope	5
2	Normative references	5
3	Terms and definitions	5
4	Symbols	7
5	Characteristics	7
6	Marking	7
7	General test conditions	8
7.1	Mechanical tests	8
7.2	Temperature	8
8	Type tests	8
8.1	Type tests for tension clamps	8
8.2	Type tests for suspension clamps	12
8.3	Dielectrical voltage tests	20
8.4	Clamp bolt tightening test	21
8.5	Tests on brackets	22
8.6	Environmental tests	23
Bibliography		27
Figures		
Figure 1 — Tension clamps — Tensile tests		9
Figure 2 — Suspension clamp — Tensile tests		14
Figure 3 — Slip test at ambient temperature		16
Figure 4 — Test arrangement for slip test at high temperature		17
Figure 5 — Cycle and temperature profile		18
Figure 6		22
Tables		
Table 1 — Static loads		11
Table 2 — Static loads		12
Table 3 — Tensile loads		14
Table 4 — Tensile loads		19
Table 5 — Tensile loads and angular direction for tension bracket		23
Table 6 — Tensile loads and angular direction for suspension bracket		23

European foreword

This document (EN 50483-2:2026) has been prepared by CLC/TC 20 “Electric cables”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2027-04-30
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2029-04-30

This document supersedes EN 50483-2:2009 and all of its amendments and corrigenda (if any).

EN 50483-2:2026 includes the following significant technical changes with respect to EN 50483-2:2009:

- Scope was extended to brackets.

This is Part 2 of the EN 50483 series “Test requirements for low voltage aerial bundled cable accessories”, which has six parts:

- Part 1: Generalities;
- Part 2: Tension and suspension clamps, fittings and brackets for self-supporting system;
- Part 3: Tension and suspension clamps, fittings and brackets for neutral messenger system;
- Part 4: Connectors;
- Part 5: Electrical ageing test;
- Part 6: Environmental testing.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

EN 50483-2:2026 (E)**Introduction**

The objective of the EN 50483 series is to provide a method of testing the suitability of accessories when used under normal operating conditions with low voltage aerial bundled cables (ABC) complying with HD 626 S2.

Climate differs across Europe and in order to meet the differing geographic climatic conditions it is necessary to provide a range of tests to meet these variations. A range of optional, additional tests is provided to meet the varying climatic needs and these should be agreed between the customer and the manufacturer and/or the supplier (see Annex C in EN 50483-6:2025).

This document does not invalidate existing approvals of products achieved on the basis of national standards and specifications and/or the demonstration of satisfactory service performance. However, products approved according to such national standards or specifications cannot directly claim approval to this document. It might be possible, subject to agreement between the customer and the manufacturer and/or the supplier, and/or the relevant conformity assessment body, to demonstrate that conformity to the earlier standard can be used to claim conformity to this document, provided an assessment is made of any additional type testing that might need to be carried out. Any such additional testing that is part of a sequence of testing cannot be done separately.

Sample Document

get full document from standards.iteh.ai

1 Scope

The EN 50483 series applies to overhead line fittings for tensioning, supporting and connecting aerial bundled cables (ABC) of rated voltage $U_0/U (U_m)$: 0,6/1 (1,2) kV.

This document applies to tensioning devices consisting of tension and suspension clamps, fittings and brackets designed to be used for installation of self-supporting ABC defined in HD 626 S2.

Tests described in this document are type tests.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

EN 50483-1:2026, *Test requirements for low voltage aerial bundled cable accessories — Part 1: Generalities*

EN 50483-6:2026, *Test requirements for low voltage aerial bundled cable accessories — Part 6: Environmental testing*

HD 626 S2, *Overhead distribution cables of rated voltage $U_0/U(U_m)$: 0,6/1 (1,2) kV*

IEC 60050-461, *International Electrotechnical Vocabulary (IEV) — Part 461: Electric cables*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60050-461 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp/>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

aerial bundled cable

ABC

aerial cable consisting of a group of insulated conductors which are twisted together including, or not, a non-insulated conductor

[SOURCE: IEC 461-08-02, modified]

Note 1 to entry: The terms bundled conductors, bundled cables, bundled cores, conductor bundles and bundle could be used as equivalent to the term aerial bundled cable (ABC).

3.2

aerial insulated cable

insulated cable designed to be suspended overhead and outdoors

[SOURCE: IEC 461-08-01]

3.3

angle of deviation

complementary angle to the angle defined by the two parts of the cable on both sides of the suspension clamp