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**Zahteve za preskušanje pribora za nizkonapetostne izolirane nadzemne kable - 6.  
del: Okoljsko preskušanje**Test requirements for low voltage aerial bundled cable accessories - Part 6:  
Environmental testingPrüfanforderungen für Bauteile für isolierte Niederspannungsfreileitungen - Teil 6:  
UmweltprüfungenPrescriptions relatives aux essais des accessoires pour réseaux aériens basse tension  
torsadés - Partie 6: Essais d'environnement**Ta slovenski standard je istoveten z: EN 50483-6:2026****ICS:**29.240.20      Daljnovodi      Power transmission and  
distribution lines**SIST EN 50483-6:2026****en**

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EUROPEAN STANDARD

**EN 50483-6**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2026

ICS 29.240.20

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English Version

## Test requirements for low voltage aerial bundled cable accessories - Part 6: Environmental testing

Prescriptions relatives aux essais des accessoires pour réseaux aériens basse tension torsadés - Partie 6: Essais d'environnement

Prüfanforderungen für Bauteile für isolierte Niederspannungsfreileitungen - Teil 6: Umweltprüfungen

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European Committee for Electrotechnical Standardization  
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Europäisches Komitee für Elektrotechnische Normung

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## European foreword

This document (EN 50483-6:2026) 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- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2029-04-30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 50483-6:2009 and all of its amendments and corrigenda (if any).

EN 50483-6:2026 includes the following significant technical changes with respect to EN 50483-6:2009:

- Scope was extended to brackets.

This is Part 6 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.

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## 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).

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.

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## 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 defines the environmental tests in particular the climatic and corrosion ageing tests. The objective of these tests is to predict the behaviour of ABC accessories when subjected to sun radiation, to weather conditions (humidity, spraying water, heat, cold) and pollution. EN 50483-1, EN 50483-2, EN 50483-3 and EN 50483-4 specify which type tests included in this part of the standard are needed.

## 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 (all parts), *Test requirements for low voltage aerial bundled cable accessories*

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

EN 50483-5:2026, *Test requirements for low voltage aerial bundled cable accessories - Part 5: Electrical ageing test*

EN IEC 60068-2-11:2021, *Environmental testing - Part 2-11: Tests - Test Ka: Salt mist (IEC 60068-2-11:2021)*

EN ISO 22479, *Corrosion of metals and alloys - Sulfur dioxide test in a humid atmosphere (fixed gas method) (ISO 22479)*

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

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).

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

### 3.2

#### **aerial-insulated cable**

insulated cable designed to be suspended overhead and outdoors

[SOURCE: IEC 461-08-01]