BSI Standards Publication

Test requirements for low voltage aerial bundled cable accessories

Part 2: Tension and suspension clamps, fittings and brackets for self-supporting system

bsi.

National foreword

This British Standard is the UK implementation of EN 50483-2:2026. It supersedes BS EN 50483-2:2009, which will be withdrawn on 30 April 2029.

The UK participation in its preparation was entrusted to Technical Committee GEL/20/11, Electric Cable accessories.

A list of organizations represented on this committee can be obtained on request to its committee manager.

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

Published by BSI Standards Limited 2026

ISBN 978 0 539 34024 2

ICS 29.240.20

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 April 2026.

Amendments/corrigenda issued since publication

Date	Text affected

EUROPEAN STANDARD **EN 50483-2**

EUROPÄISCHE NORM

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 Tragklemmen 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

Ref. No. EN 50483-2:2026 E

Contents

Page

Figures

Tables

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.

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.

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: IEV 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: IEV 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