



BSI Standards Publication

Test requirements for low voltage aerial bundled cable accessories

Part 3: Tension and suspension clamps, fittings and
brackets for neutral messenger system

This is a preview of BS EN 50483-3:2026. [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN 50483-3:2026. It supersedes BS EN 50483-3:2009, which will be withdrawn on 30 April 2029.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.

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English Version

Test requirements for low voltage aerial bundled cable accessories - Part 3: Tension and suspension clamps, fittings and brackets for neutral messenger system

Prescriptions relatives aux essais des accessoires pour réseaux aériens basse tension torsadés - Partie 3: Matériels d'ancrage et de suspension pour réseaux aériens en conducteurs isolés torsadés avec neutre porteur

Prüfanforderungen für Bauteile für isolierte Niederspannungsfreileitungen - Teil 3: Abspann- und Tragklemmen für Systeme mit Nullleiter-Tragseil

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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

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Contents

	Page
European foreword.....	4
Introduction.....	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions.....	6
4 Symbols.....	8
5 Characteristics.....	8
6 Marking.....	9
7 General test conditions.....	9
7.1 Mechanical tests.....	9
7.2 Temperature.....	9
8 Type tests.....	9
8.1 General.....	9
8.2 Type tests for tension clamps.....	9
8.2.1 General.....	9
8.2.2 Tensile test at ambient temperature (and breaking load test).....	9
8.2.3 Tensile test at high temperature.....	11
8.2.4 Tensile test at low temperature.....	13
8.2.5 Environmental tests.....	14
8.2.6 Dielectrical voltage test.....	17
8.3 Type tests for suspension clamps.....	20
8.3.1 General.....	20
8.3.2 Clamp bolt tightening test.....	21
8.3.3 Mechanical test.....	22
8.3.4 Environmental tests.....	25
8.3.5 Dielectrical voltage test (only for insulated messenger clamps).....	28
8.3.6 Swing test (optional).....	31
8.3.7 Slip test at high temperature (optional).....	33
8.4 Type tests for brackets.....	36
Bibliography.....	37
Figures	
Figure 1 — Test arrangement.....	10
Figure 2 — Cycle and temperature profile.....	12
Figure 3 — Arrangement of the fitting for mechanical test at low temperature.....	13
Figure 4 — Voltage test arrangement on tension clamp only.....	18
Figure 5 — Dielectrical voltage test arrangement on tension clamp and conductor in air.....	19
Figure 6 — Dielectrical voltage test arrangement on tension clamp in water.....	20
Figure 7 — Mechanical test arrangement.....	22
Figure 8 — Mechanical test arrangement.....	23
Figure 9 — Slip test on the suspension clamps.....	24
Figure 10 — Slip test on the suspension clamps.....	25
Figure 11 — Corrosion test.....	26
Figure 12 — Dielectrical voltage test arrangement in air.....	29
Figure 13 — Dielectrical voltage test arrangement for metallic body.....	29
Figure 14 — Dielectrical voltage test arrangement in water.....	31

This is a preview of BS EN 50483-3:2026. [Click here to purchase the full version from the ANSI store.](#)

Figure 15 — Swing test arrangement	32
Figure 16 — Swing test temperature measurement	33
Figure 17 — Test arrangement for slip test at high temperature	34
Figure 18 — Cycle and temperature profile	36

Tables

Table 1 — Tensile loads.....	23
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This is a preview of BS EN 50483-3:2026. [Click here to purchase the full version from the ANSI store.](#)

European foreword

This document (EN 50483-3:2026) 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 50483-3:2009 and all of its amendments and corrigenda (if any).

EN 50483-3:2026 includes the following significant technical changes with respect to EN 50483-3:2009:

— Scope was extended to brackets.

This is Part 3 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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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.

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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.

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 may 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 applies to tensioning devices consisting of tension and suspension clamps, and tension and suspension assemblies used for the installation of ABC with either insulated or bare neutral messenger.

The tension and suspension clamps are designed to be installed on neutral conductors of 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 50483-2:2026, *Test requirements for low voltage aerial bundled cable accessories — Part 2: Tension and suspension clamps, fittings and brackets for self-supporting system*

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

HD 626 S2:2025, *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]