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| <b>STN</b> | <b>Vodiče s ochranným obalom na vonkajšie vedenia<br/>a súvisiace príslušenstvo pre striedavé menovité<br/>napätia nad 1 kV a neprevyšujúce 36 kV<br/>Časť 2: Príslušenstvo vodičov s ochranným obalom<br/>Skúšky a preberacie kritériá</b> | <b>STN<br/>EN 50397-2</b><br><br>34 7412 |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|

Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV a.c. and not exceeding 36 kV a.c. - Part 2: Accessories for covered conductors - Tests and acceptance criteria

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 09/22

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**EN 50397-2**

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English Version

**Covered conductors for overhead lines and the related  
accessories for rated voltages above 1 kV a.c. and not  
exceeding 36 kV a.c. - Part 2: Accessories for covered  
conductors - Tests and acceptance criteria**

Conducteurs gainés pour lignes aériennes et accessoires  
associés pour des tensions assignées supérieures à 1 kV  
en courant alternatif et ne dépassant pas 36 kV en courant  
alternatif - Partie 2: Accessoires pour conducteurs gainés -  
Essais et critères d'acceptation

Kunststoffumhüllte Leiter und zugehörige Armaturen für  
Freileitungen mit Nennspannungen über 1 kV und nicht  
mehr als 36 kV Wechselspannung - Teil 2: Armaturen für  
kunststoffumhüllte Freileitungsseile - Prüfungen und  
Anforderungen

This European Standard was approved by CENELEC on 2022-06-27. 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.

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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.

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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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**EN 50397-2:2022 (E)****European foreword**

This document (EN 50397-2:2022) 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) 2023-06-27
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2025-06-27

This document will supersede EN 50397-2:2009 and all of its amendments and corrigenda (if any).

EN 50397-2:2022 has been updated editorially with respect to EN 50397-2:2009.

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**

Covered conductors consist of a conductor surrounded by a covering made of insulating material as protection against accidental contacts with other covered conductors and with grounded parts such as tree branches, etc. In comparison with insulated conductors, this covering has reduced properties, but is able to withstand the phase-to-earth voltage temporarily.

Since covered conductors are unscreened, they are not touch-proof, i.e. they must be treated as bare conductors with respect to electric shock.

This document does not cover aspects related to the installation of overhead lines such as determination of clearances, spans, sags, etc.

**EN 50397-2:2022 (E)****1 Scope**

This document contains the requirements for accessories that are for use with covered conductors, see EN 50397-1. They are for applications in overhead lines with rated voltages  $U$  above 1 kV a.c. and not exceeding 36 kV a.c.

NOTE This document describes the requirements and tests only for the accessories installed on the covered conductor itself.

**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 50397-1:2020, *Covered conductors for overhead lines and the related accessories for rated voltages above 1 kV AC and not exceeding 36 kV AC — Part 1: Covered conductors*

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

EN 50483-6:2009, *Test requirements for low voltage aerial bundled cable accessories — Part 6: Environmental testing*

EN 61284:1997, *Overhead lines — Requirements and tests for fittings*

EN 61467, *Insulators for overhead lines - Insulator strings and sets for lines with a nominal voltage greater than 1 000 V — AC power arc tests*

EN ISO 1461, *Hot dip galvanized coatings on fabricated iron and steel articles — Specifications and test methods (ISO 1461)*

ISO 2859-1, *Sampling procedures for inspection by attributes — Part 1: Sampling schemes indexed by acceptance quality limit (AQL) for lot-by-lot inspection*

ISO 2859-2, *Sampling procedures for inspection by attributes — Part 2: Sampling plans indexed by limiting quality (LQ) for isolated lot inspection*

ISO 3951 (series), *Sampling procedures for inspection by variables*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**