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Conductor cars

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. 06/25

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NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 50374**

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Supersedes EN 50374:2004

English Version

**Conductor cars**

Nacelles suspendues

Leitungsfahrzeuge

This European Standard was approved by CENELEC on 2025-03-17. 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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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**

**EN 50374:2025 (E)**

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**EN 50374:2025 (E)****European foreword**

This document (EN 50374:2025) has been prepared by CLC/TC 78 “Equipment and tools for live working”.

The following dates are fixed:

- latest date by which this document has to be (dop) 2026-04-30  
implemented at national level by publication of  
an identical national standard or by  
endorsement
- latest date by which the national standards (dow) 2028-04-30  
conflicting with this document have to be  
withdrawn

This document supersedes EN 50374:2004 and all of its amendments and corrigenda (if any).

EN 50374:2025 includes the following significant technical changes with respect to EN 50374:2004:

- the standard was adapted to the technical progress, new requirements and changes in standards referenced, the main topics are:
  - harmonization to the Machinery Directive;
  - new demands with regard to European knowledge of accidents;
  - relationship to conductor car made from materials other than metal;
  - relationship to conductor car used under live line condition.

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.

This document has been prepared under a standardization request addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of this document.

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**

This document is a harmonized standard to provide one means for conductor car to conform to the essential health and safety requirements of Directive 2006/42/EC (Machinery). The machinery concerned and the extent to which hazards, hazardous situations and events are covered are indicated in the scope. This document is a type C standard as stated in EN ISO 12100. When provisions of this type C standard are different from those stated in type A or B standards, the provisions of this type C standard take precedence over the provision of the other standards, for machines that have been designed and built according to the provisions of this type C standard.

**EN 50374:2025 (E)**

## 1 Scope

This document applies to conductor car that are used to access overhead line conductors, shield wires or shield wires with integrated communication systems to undertake work involving rectification of defects and/or installing components and fittings. This document covers also bicycle type access equipment where it is applicable.

## 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 1011-4:2000,<sup>1</sup> *Welding - Recommendations for welding of metallic materials - Part 4: Arc welding of aluminium and aluminium alloys*

EN 12644-1:2001+A1:2008, *Cranes - Information for use and testing - Part 1: Instructions*

EN 60204-1:2018, *Safety of machinery - Electrical equipment of machines - Part 1: General requirements (IEC 60204-1:2005, modified)*

EN ISO 4413:2010, *Hydraulic fluid power - General rules and safety requirements for systems and their components (ISO 4413:2010)*

EN ISO 10042:2018, *Welding - Arc-welded joints in aluminium and its alloys - Quality levels for imperfections (ISO 10042:2018)*

EN ISO 12100:2010, *Safety of machinery - General principles for design - Risk assessment and risk reduction (ISO 12100:2010)*

EN ISO 13849-2:2012, *Safety of machinery - Safety-related parts of control systems - Part 2: Validation (ISO 13849-2:2012)*

EN ISO 3744:2010, *Acoustics - Determination of sound power levels and sound energy levels of noise sources using sound pressure - Engineering methods for an essentially free field over a reflecting plane (ISO 3744:2010)*

EN ISO 4871:2009, *Acoustics - Declaration and verification of noise emission values of machinery and equipment (ISO 4871:1996)*

EN ISO 11201:2010,<sup>2</sup> *Acoustics — Noise emitted by machinery and equipment — Determination of emission sound pressure levels at a work station and at other specified positions in an essentially free field over a reflecting plane with negligible environmental corrections (ISO 11201:2010)*

EN ISO 11688-1:2009, *Acoustics - Recommended practice for the design of low-noise machinery and equipment - Part 1: Planning (ISO/TR 11688-1:1995)*

## 3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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<sup>1</sup> As amended by EN 1011-4:2000/A1:2003.

<sup>2</sup> As amended by EN ISO 11201:2010/A1:2021.

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/>

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