



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 50374:2004

ICS 43.120

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800
Tel: (01) 807 3838

CONDUCTOR CARS

*This Irish Standard was
published under the
authority of the National
Standards Authority of
Ireland
and comes into effect on:
March 29, 2004*

**NO COPYING WITHOUT NSAI
PERMISSION EXCEPT AS
PERMITTED BY COPYRIGHT
LAW**

© NSAI 2004

Price Code E

Údarás um Chaighdeáin Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 50374

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2004

ICS 43.120

English version

Conductor cars

Nacelles suspendues

Leitungsfahrzeuge

This European Standard was approved by CENELEC on 2004-02-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Contents

	Page
Foreword	3
1 Scope	4
2 Normative references	4
3 Definitions	5
4 Requirements	5
4.1 Mechanical requirements	5
4.2 Dielectric requirements	9
5 Tests	9
5.1 Proof of design	9
5.2 Tests for personnel protection	10
5.3 Test set-up	10
5.4 Floor plate and travelling axles	10
5.5 Protection against fall.....	10
5.6 Brakes and locking devices	10
5.7 Manual handling test	11
5.8 Mounting attachments for full body harnesses	11
5.9 Mounting attachments for traction ropes.....	11
5.10 Mounting attachments for pulling up / removing	11
5.11 Drives	11
5.12 Operating devices	11
5.13 Dielectric requirements	11

Foreword

This European Standard was prepared by CENELEC BTWG 93-1, Conductors cars. The text of the draft was submitted to formal vote and was approved by CENELEC as EN 50374 on 2004-02-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2005-02-01
 - latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-02-01
-

1 Scope

This European Standard applies to conductor cars which are used for driving (travelling) on conductors, shield wires or shield wires with integrated communication systems of overhead transmission lines.

2 Normative references

The following referenced documents are indispensable for the application 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 292-2	Safety of machinery – Basic concepts, general principles for design Part 2: Technical principles (ISO 12100-2)
EN 354	Personal protective equipment against falls from a height - Lanyards
EN 1011-1	Welding – recommendations for welding of metallic materials Part 1: General guidance for arc welding
EN 1011-2	Welding – Recommendations for welding of metallic materials Part 2: Arc welding of ferritic steels
EN 1011-3	Welding – Recommendations for welding of metallic materials Part 3: Welding of stainless steels
EN 1011-4	Welding – Recommendations for welding of metallic materials Part 4: Arc welding of aluminium and aluminium alloys
EN 1050	Safety of machinery - Principles of risk assessment (ISO 14121)
EN 1708-1	Welding – Basic weld joint details in steel - Part 1: Pressurised components
EN 1712	Non-destructive examination of welds - Ultrasonic examination of welded joints - Acceptance levels
EN 30042	Arc-welded joints in aluminium and its weldable alloys – guidance on quality levels for imperfections
EN 60204-1	Safety of machinery - Electrical equipment of machines Part 1: General requirements (IEC 60204-1)

Conductor cars are covered by the Directive 98/37/EC of the European Parliament and the Council of 22 June 1998 on the approximation of the laws of the Member States relating to machinery. In the case of conductor cars which are also used for lifting persons, the cars are devices covered by Annex IV of the Directive.

Every manufacturer or his authorised representative established in the Community shall prove by a conformity assessment procedure, that his conductor car complies with the requirements of the Directive. Where this standard covers one or more of the essential safety requirements of the Directive, conductor cars constructed in accordance with this standard shall be presumed to comply with the relevant essential requirements.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- [Looking for additional Standards? Visit Intertek Inform Infostore](#)
 - [Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation](#)
-