



BSI Standards Publication

## Steel wire and wire products — Steel wire for ropes

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Part 2: Cold drawn non alloy steel wire for ropes for general applications

## National foreword

This British Standard is the UK implementation of EN 10264-2:2021. It supersedes BS EN 10264-2:2012, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee ISE/106, Wire Rod and Wire.

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

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Published by BSI Standards Limited 2022

ISBN 978 0 580 95357 6

ICS 77.140.65

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 January 2022.

### Amendments/corrigenda issued since publication

Date	Text affected
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EUROPEAN STANDARD

**EN 10264-2**

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2021

ICS 77.140.65

Supersedes EN 10264-2:2012

English Version

## Steel wire and wire products - Steel wire for ropes - Part 2: Cold drawn non alloy steel wire for ropes for general applications

Fils et produits tréfilés en acier - Fils pour câbles -  
Partie 2 : Fils écrouis à froid par tréfilage en acier non  
allié pour câbles d'usage général

Stahldraht und Drahterzeugnisse - Stahldraht für Seile  
- Teil 2: Kaltgezogener Draht aus unlegiertem Stahl für  
Seile für allgemeine Verwendungszwecke

This European Standard was approved by CEN on 20 December 2020.

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EUROPÄISCHES KOMITEE FÜR NORMUNG

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

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## European foreword

This document (EN 10264-2:2021) has been prepared by Technical Committee CEN/TC 459 “ECISS - European Committee for Iron and Steel Standardization”<sup>1</sup>, the secretariat of which is held by AFNOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by June 2022, and conflicting national standards shall be withdrawn at the latest by June 2022.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN shall not be held responsible for identifying any or all such patent rights.

This document supersedes EN 10264-2:2012.

This document has been technically revised to incorporate the following changes:

- new tensile strength grades added in Table 1 and Table 2;
- coatings according to ASTM B997 added;
- coating requirements to salt-spray test added.

EN 10264, *Steel wire and wire products - Steel wire for ropes* is made up of the following parts:

- *Part 1: General requirements*
- *Part 2: Cold drawn non alloy steel wire for ropes for general applications*
- *Part 3: Round and shaped non alloyed steel wire for high duty applications*
- *Part 4: Stainless steel wire*

Any feedback and questions on this document should be directed to the users’ national standards body. A complete listing of these bodies can be found on the CEN website.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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<sup>1</sup> Through its sub-committee SC 6 “Wire rod and wires” (secretariat: AFNOR).

## 1 Scope

This part of EN 10264 defines cold drawn non alloy steel wire used for the manufacture of:

- ropes for general applications and lifts;
- ropes for applications for which there is no specific European Standard.

This part of EN 10264 does not apply to steel wire taken from manufactured ropes.

This part of EN 10264 specifies the following for cold drawn non alloy steel wire for ropes for general applications:

- dimensional tolerances;
- mechanical characteristics;
- requirements relating to the chemical composition of the steel wire;
- conditions to be satisfied by any coating.

In addition to the requirements of this part of EN 10264, the requirements of EN 10264-1 also apply.

## 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 1179, *Zinc and zinc alloys - Primary zinc*

EN 10218-1, *Steel wire and wire products - General - Part 1: Test methods*

EN 10244-2, *Steel wire and wire products - Non-ferrous metallic coatings on steel wire - Part 2: Zinc or zinc alloy coatings*

EN 10264-1, *Steel wire and wire products - Steel wire for ropes - Part 1: General requirements*

EN ISO 9227, *Corrosion tests in artificial atmospheres - Salt spray tests (ISO 9227)*

EN ISO 16120-1, *Non-alloy steel wire rod for conversion to wire - Part 1: General requirements (ISO 16120-1)*

EN ISO 16120-2, *Non-alloy steel wire rod for conversion to wire - Part 2: Specific requirements for general purpose wire rod (ISO 16120-2)*

EN ISO 16120-4, *Non-alloy steel wire rod for conversion to wire - Part 4: Specific requirements for wire rod for special applications (ISO 16120-4)*

## 3 Terms and definitions

No terms and definitions are listed in this document.