

BS EN 10223-1:2012



BSI Standards Publication

Steel wire and wire products for fencing and netting

Part 1: Zinc and zinc-alloy coated
steel barbed wire

bsi.

...making excellence a habit.
AVA Documents™
Document Sharing Hub

National foreword

This British Standard is the UK implementation of EN 10223-1:2012. It supersedes BS EN 10223-1:1998, which is withdrawn.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 secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2012.
Published by BSI Standards Limited 2012.

ISBN 978 0 580 64498 6

ICS 77.140.65

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 December 2012.

Amendments issued since publication

Date	Text affected
------	---------------

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 10223-1

November 2012

ICS 77.140.65

Supersedes EN 10223-1:1997

English Version

**Steel wire and wire products for fencing and netting - Part 1:
Zinc and zinc-alloy coated steel barbed wire**

Fils et produits tréfilés en acier pour clôtures et grillages -
Partie 1: Ronces en acier revêtu de zinc ou d'alliage de
zinc

Stahldraht und Drahterzeugnisse für Zäune und
Drahtgeflechte - Teil 1: Stacheldraht aus Stahl, mit Zink
oder Zinklegierung überzogen

This European Standard was approved by CEN on 13 October 2012.

CEN 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 CEN-CENELEC Management Centre or to any CEN 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 CEN member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.



EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

Management Centre: Avenue Marnix 17, B-1000 Brussels

© 2012 CEN All rights of exploitation in any form and by any means reserved
worldwide for CEN national Members.

Ref. No. EN 10223-1:2012: E

Contents

Page

Foreword.....	3
Introduction	4
1 Scope	5
2 Normative references	5
3 Information to be supplied by the purchaser	5
4 Manufacture.....	6
4.1 Base metal	6
4.2 Fabrication.....	6
4.2.1 General.....	6
4.2.2 Conventional barbed wire (C).....	6
4.2.3 Reverse twist type (RT)	6
4.2.4 Barbed wire entanglement (BWE)	6
4.3 Welding	7
5 Requirements	7
6 Sampling and testing	8
7 Inspection documentation	8
8 Methods of test	8
8.1 Mechanical.....	8
8.2 Dimensions.....	8
8.3 Zinc and zinc-alloy coatings.....	8
8.4 Barb spacing	8
9 Packaging	9
Annex A (informative) Typical barbed wire formation (other types of barbed wire may be available).....	10

Foreword

This document (EN 10223-1:2012) has been prepared by Technical Committee ECISS/TC 106 "Wire rod and wires", 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 May 2013, and conflicting national standards shall be withdrawn at the latest by May 2013.

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

This document supersedes EN 10223-1:1997.

EN 10223 "Steel wire and wire products for fencing and netting" consists of the following parts:

- *Part 1: Zinc and zinc-alloy coated steel barbed wire*
- *Part 2: Hexagonal steel wire netting for agricultural, insulation and fencing purposes*
- *Part 3: Hexagonal steel wire mesh products for engineering purposes*
- *Part 4: Steel wire welded mesh fencing*
- *Part 5: Steel wire woven hinged joint and knotted mesh fencing*
- *Part 6: Steel wire chain link fencing*
- *Part 7: Steel wire welded panels for fencing*
- *Part 8: Welded mesh gabion products*

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, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.