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**STANDARD**

**I.S. EN 12385-10:2004**

ICS 77.140.65

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**STEEL WIRE ROPES - SAFETY - PART 10:  
SPIRAL ROPES FOR GENERAL STRUCTURAL  
APPLICATIONS**

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## Steel wire ropes - Safety - Part 10: Spiral ropes for general structural applications

Câbles en acier - Sécurité - Partie 10: Câbles spiraloïdaux  
pour applications générales de structures

Drahtseile aus Stahldraht - Sicherheit - Teil 10: Spiralseile  
für den allgemeinen Baubereich

This European Standard was approved by CEN on 3 November 2003.

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 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 Management Centre has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.



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## **Contents**

	<b>page</b>
<b>Foreword</b> .....	<b>3</b>
<b>Introduction</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>5</b>
<b>4 List of significant hazards</b> .....	<b>5</b>
<b>5 Safety requirements and/or measures</b> .....	<b>6</b>
<b>Annex A (normative) Ductility and adherence wraps and % total elongation at fracture properties of hot zinc coated round wires</b> .....	<b>8</b>
<b>Annex B (informative) Typical breaking forces and approximate nominal length masses for full-locked coil rope</b> .....	<b>10</b>
<b>Annex C (informative) Typical breaking forces and nominal length masses for spiral strand rope</b> .....	<b>16</b>
<b>Annex D (informative) Information which should be provided with an enquiry or an order</b> .....	<b>23</b>
<b>Annex ZA (informative) Relationship of this document with EC Directives</b> .....	<b>24</b>

## Foreword

This document (EN 12385-10:2003) has been prepared by Technical Committee CEN/TC 168 "Chains, ropes, webbing, slings and accessories - Safety", the secretariat of which is held by BSI.

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 2004, and conflicting national standards shall be withdrawn at the latest by June 2004.

This document has been prepared under a mandate given to CEN by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For relationship with EU Directive, see informative annex ZA, which is an integral part of this document.

The other Parts of this European Standard are:

Part 1: General requirements

Part 2: Definitions, designation and classification

Part 3: Information for use and maintenance

Part 4: Stranded ropes for general lifting applications

Part 5: Stranded ropes for lifts

Part 6: Stranded ropes for mine shafts

Part 7: Locked coil ropes for mine shafts

Part 8: Stranded hauling and carrying-hauling ropes for cableway installations designed to carry persons

Part 9: Locked coil carrying ropes for cableway installations designed to carry persons

Part 1 of this European Standard provides the general requirements for each of the other Parts. For the relationship of this Part with EU Directives, see informative annex ZA of Part 1 and informative annex ZA of this part of the standard.

This is the first edition of this Part of this European Standard.

Annex A is normative. The annexes B, C and D are informative.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and the United Kingdom.

## **EN 12385-10:2003 (E)**

### **Introduction**

This Part of this European Standard has been prepared to be a harmonized standard to provide one means of conforming to the essential safety requirements of the Machinery Directive.

This European Standard is a type C standard as stated in EN 1070.

During the preparation of this standard, it was assumed that a negotiation would take place between the purchaser and the manufacturer concerning the intended purpose of the rope.

Specifiers, purchasers and users should recognise that spiral ropes for structural purposes are, more often than not, specially designed by the rope manufacturer to meet particular conditions.

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