



SLOVENSKI STANDARD
SIST EN 700:1999

01-marec-1999

Vlaknene vrvi za vsakovrstno uporabo - Polietilen

Fibre ropes for general service - Polyethylene

Faserseile für allgemeine Verwendung - Polyethylen

Cordages en fibres pour usages divers - Polyéthylène

Ta slovenski standard je istoveten z: EN 700:1995

ITEH STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 700:1999](https://standards.iteh.ai/catalog/standards/sist/82ea61dd-b405-415d-a777-7800aac709cb/sist-en-700-1999)

<https://standards.iteh.ai/catalog/standards/sist/82ea61dd-b405-415d-a777-7800aac709cb/sist-en-700-1999>

ICS:

59.080.50 Vrvi Ropes

SIST EN 700:1999 **en**

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 700:1999

<https://standards.iteh.ai/catalog/standards/sist/82ea61dd-b405-415d-a777-7800aac709cb/sist-en-700-1999>

EUROPEAN STANDARD

EN 700

NORME EUROPÉENNE

EUROPÄISCHE NORM

August 1995

ICS 59.080.50

Descriptors: textiles, cordages, specifications, textile fibres, natural fibres, synthetic fibres, manufacturing, characteristics, rope pitch, marking, labelling, delivery

English version

Fibre ropes for general service - Polyethylene

Cordages en fibres pour usages divers -
Polyéthylène

Faserseile für allgemeine Verwendung -
Polyethylen

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 700:1999

<https://standards.iteh.ai/catalog/standards/sist/82ea61dd-b405-415d-a777-7800aac709cb/sist-en-700-1999>

This European Standard was approved by CEN on 1995-07-02. 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 Central Secretariat or to any CEN member.

The European Standards exist 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 Central Secretariat has the same status as the official versions.

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

CEN

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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

© 1995

All rights of reproduction and communication in any form and by any means reserved in all countries to CEN and its members.

Ref. No. EN 700:1995 E



Contents		Page
Foreword		
1	Scope	4
2	Normative references	4
3	Definitions	4
4	Designation	4
5	Construction	5
6	Marking	5

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 700:1999

[https://standards.iteh.ai/catalog/standards/sist/82ea61dd-b405-415d-a777-](https://standards.iteh.ai/catalog/standards/sist/82ea61dd-b405-415d-a777-7800aac709cb/sist-en-700-1999)

[7800aac709cb/sist-en-700-1999](https://standards.iteh.ai/catalog/standards/sist/82ea61dd-b405-415d-a777-7800aac709cb/sist-en-700-1999)

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....



Foreword

This European Standard has been prepared by the Technical Committee CEN/TC 248 "Textiles and textile products", of which the secretariat 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 February 1996, and conflicting national standards shall be withdrawn at the latest by February 1996.

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

This standard is based on ISO 1969 "Ropes - Polyethylene - Specification".

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 700:1999](#)

<https://standards.iteh.ai/catalog/standards/sist/82ea61dd-b405-415d-a777-7800aac709cb/sist-en-700-1999>

1 Scope

This European standard specifies requirements for 3-strand hawser-laid and 4-strand shroud-laid ropes for general service made of polyethylene and gives rules for their designation.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies.

EN 701: 1995	Fibre ropes for general service - General specification
EN 919	Fibre ropes for general service - Determination of certain physical and mechanical properties
ISO 1968	Ropes and cordage - Vocabulary

3 Definitions

For the purposes of this standard, the definitions given in ISO 1968 apply.

4 Designation

Fibre ropes shall be designated by

- the words "fibre rope";
- the number of this European standard;
- the construction or type of rope (see clause 5);
- the reference number of the rope;
- the material from which the rope is made.

NOTE: The material from which the rope is made may be indicated either by its full name "polyethylene" or by means of its abbreviation "PE".

EXAMPLE:

Designation of a 4-strand shroud-laid rope with a linear mass of 706 ktex corresponding to reference number 40 made of polyethylene:

Fibre rope EN 700- B- 40- polyethylene

5 Construction

Polyethylene ropes produced to this European standard shall be made in one of the following constructions:

- type A: 3-strand hawser-laid rope (see figure 1);

- type B: 4-strand shroud-laid rope (see figure 2);

Linear density and minimum breaking force shall conform to tables 1, and 2 (see also tables 1 and 2 of EN 701: 1995).

Construction, manufacture, lay, labelling, packaging, invoicing and delivery lengths, shall conform to EN 701.

6 Marking

The marking shall be carried out in accordance with clause 7 of EN 701: 1995.

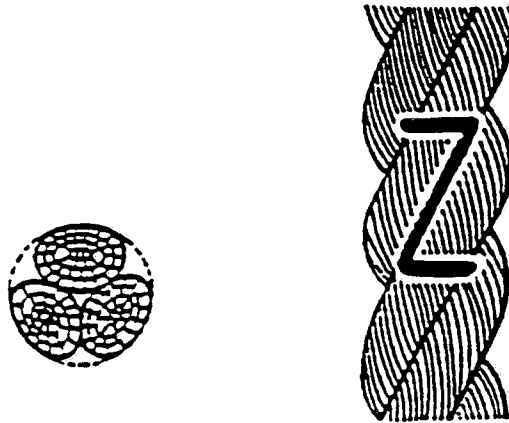


Figure 1: Shape of a 3-strand hawser-laid rope (type A)
iteh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 700:1999

<https://standards.iteh.ai/catalog/standards/sist/82ea61dd-b405-415d-a777-7800aac709cb/sist-en-700-1999>

Table 1: 3-strand hawser-laid polyethylene ropes (type A)

Reference Number ¹⁾	Linear density ^{2),3)}		Minimum breaking force ⁴⁾ daN
	nominal ktex	tolerance	
4	8	± 10 %	196
6	18		392
8	33		686
10	49	± 8 %	1 070
12	72		1 510
14	95		2 050
16	128	± 5 %	2 750
18	161		3 400
20	200		4 190
22	243		4 980
24	295		5 980
26	328		6 800
28	393		8 050
30	460		9 300
32	525		10 500
36	660		13 200
40	785		16 000
44	950		19 250
48	1 150		22 400
52	1 350		25 900
56	1 570		29 800
60	1 800		33 800
64	2 050		38 300
72	2 590		48 100
80	3 210		59 200
88	3 880	71 100	
96	4 610	83 800	

¹⁾ The reference number corresponds to the approximate diameter in millimetres.

²⁾ The linear density (in kilotex) corresponds to the net mass per length (in grams per metre) or to the mass of rope per length (in kilograms per thousand metres).

³⁾ The linear density is measured under tensile loading for measurement F_c as given in EN 919.