



# SLOVENSKI STANDARD SIST EN ISO 5828:2001

01-december-2001

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SIST EN ISO 5828:1999

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Resistance welding equipment - Secondary connecting cables with terminals connected to water-cooled lugs - Dimensions and characteristics (ISO 5828:2001)

Widerstandsschweißrichtungen - Sekundär-Anschlussleitungen mit wassergekühlten Kabelschuhen - Maße und Kennwerte (ISO 5828:2001)

Equipements de soudage par résistance - Câbles de raccordement secondaires avec extrémités raccordées à des plages refroidies par eau - Dimensions et caractéristiques (ISO 5828:2001)

Ta slovenski standard je istoveten z: EN ISO 5828:2001

**ICS:**

25.160.30 Varilna oprema Welding equipment

**SIST EN ISO 5828:2001 en**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN ISO 5828**

March 2001

ICS 25.160.30

Supersedes EN ISO 5828:1996

English version

**Resistance welding equipment - Secondary connecting cables  
with terminals connected to water-cooled lugs - Dimensions and  
characteristics (ISO 5828:2001)**

Equipements de soudage par résistance - Câbles de  
raccordement secondaires avec extrémités raccordées à  
des plages refroidies par eau - Dimensions et  
caractéristiques (ISO 5828:2001)

Widerstandsschweißrichtungen - Sekundär-  
Anschlussleitungen mit wassergekühlten Kabelschuhen -  
Maße und Kennwerte (ISO 5828:2001)

This European Standard was approved by CEN on 1 March 2001.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.



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

**Management Centre: rue de Stassart, 36 B-1050 Brussels**

## Foreword

The text of the International Standard ISO 5828:2001 has been prepared by Technical Committee ISO/TC 44 "Welding and allied processes" in collaboration with Technical Committee CEN/TC 121 "Welding", the secretariat of which is held by DS.

This European Standard supersedes EN ISO 5828:1996.

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 September 2001, and conflicting national standards shall be withdrawn at the latest by September 2001.

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, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

**NOTE FROM CMC:** The foreword is susceptible to be amended on reception of the German language version. The confirmed or amended foreword, and when appropriate, the normative annex ZA for the references to international publications with their relevant European publications will be circulated with the German version.

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**Endorsement notice**

The text of the International Standard ISO 5828:2001 was approved by CEN as a European Standard without any modification.

# INTERNATIONAL STANDARD

**ISO**  
**5828**

Second edition  
2001-03-01

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## Resistance welding equipment — Secondary connecting cables with terminals connected to water-cooled lugs — Dimensions and characteristics

*Équipements de soudage par résistance — Câbles de raccordement  
secondaires avec extrémités raccordées à des plages refroidies par eau —  
Dimensions et caractéristiques*

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Reference number  
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## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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

International Standard ISO 5828 was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 6, *Resistance welding*.

This second edition cancels and replaces the first edition (ISO 5828:1983) which has been technically revised. In particular it has been extended to take in lowly flexible cables with requirements for type LF cables given in clause 6. The values of the chemical composition and electrical properties are identical to those of Cu-ETP and Cu-FRHC, defined in ISO 1337:1980 which has been withdrawn.

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# Resistance welding equipment — Secondary connecting cables with terminals connected to water-cooled lugs — Dimensions and characteristics

## 1 Scope

This International Standard specifies dimensions and characteristics of secondary connecting cables which are air-cooled over their length and with terminals connected to water-cooled lugs.

The secondary connecting cables are used for connection between the secondary terminals of a welding transformer and the electrode holders.

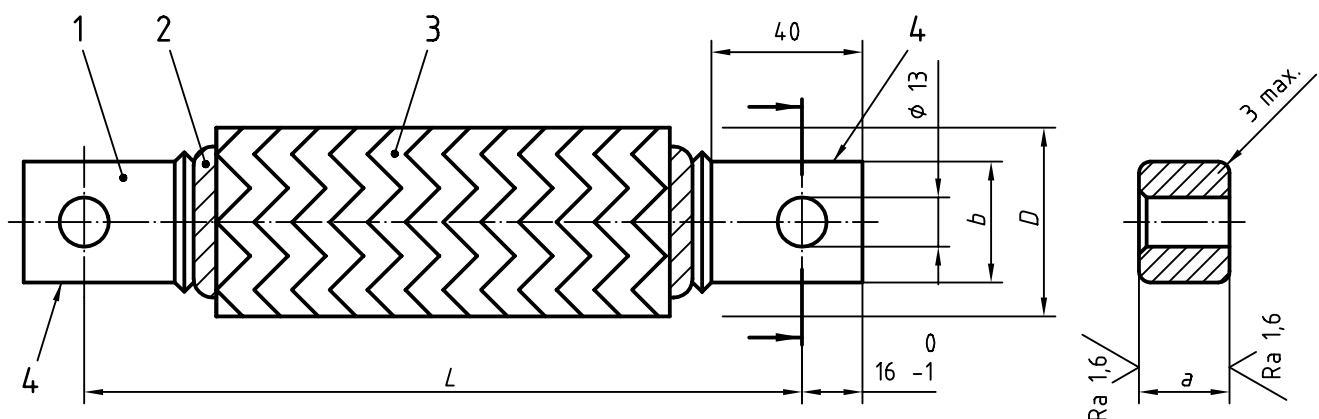
## 2 Classification

The secondary connecting cables are classified into low flexibility (LF), flexible (F) and highly flexible types (HF) depending on diameter of wire (see clause 6).

## 3 Dimensions

The dimensions of the secondary connecting cables shall be as given in Figure 1 and Table 1.

Dimensions in millimetres,  
surface roughness in micrometres



### Key

- 1 Terminal
- 2 Cable
- 3 Insulation cover
- 4 Marking

Figure 1 — Dimensions