INTERNATIONAL STANDARD

ISO 5828

Second edition
2001-03-01

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

Reference number
ISO 5828:2001(E)

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Foreword

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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and electrical properties are identical to those of Cu-ETP and Cu-FRHC, defined in ISO 1337:1980 which has been withdrawn.

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.

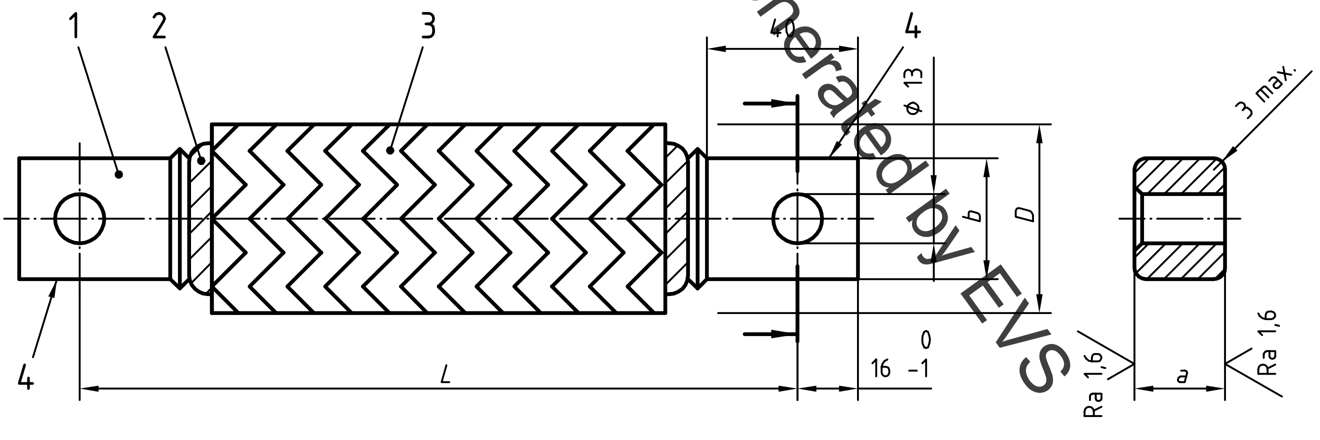
2 Classification

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