
Welding consumables — Solid wires and rods for fusion welding of copper and copper alloys — Classification

*Produits consommables pour le soudage — Fils pleins et baguettes
pleines pour le soudage par fusion du cuivre et des alliages de cuivre
— Classification*

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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This document was prepared by Technical Committee ISO/TC 44, *Welding and allied processes*, Subcommittee SC 3, *Welding consumables*.

Any feedback, question or request for official interpretation related to any aspect of this document should be directed to the Secretariat of ISO/TC 44/SC 3 via your national standards body. A complete listing of these bodies can be found at www.iso.org/members.html. Official interpretations, where they exist, are available from this page: <https://committee.iso.org/sites/tc44/home/interpretation.html>

This second edition cancels and replaces the first edition (ISO 24373:2008), which has been technically revised. The main changes compared to the previous edition are as follows:

- a new alloy, CuSn6MnSi, has been added to [Table 1](#);
- chemistries in [Table 1](#) have been updated for a number of alloys;
- wording regarding Z options has been revised in footnote to [Table 1](#);
- an example showing a Z option has been added;
- [Clauses 7, 8 and 9](#) have been updated to reflect agreed text for all ISO/TC 44/SC 3 standards.

Introduction

For copper-welding consumables, there is no unique relationship between the product form (solid wire or rod) and the welding process used (e.g. gas-shielded metal arc welding, gas tungsten arc welding, plasma arc or other welding processes). For this reason, the solid wires or rods can be classified on the basis of any of the product forms and can be used, as appropriate, for more than one of the above welding processes.

This document was originally based on EN 14640:2005^[1].

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