

STN	Meď a zliatiny meďi Skúšobné metódy na hodnotenie ochranných cínových povlakov na medených okrúhlych táhaných drôtoch na elektrotechnické účely	STN EN 13603 42 8421
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Copper and copper alloys - Test methods for assessing protective tin coatings on drawn round copper wire for electrical purposes

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/21

Obsahuje: EN 13603:2021

Oznámením tejto normy sa ruší
STN EN 13603 (42 8421) z decembra 2013

133439

EUROPEAN STANDARD

EN 13603

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2021

ICS 25.220.40; 77.150.30

Supersedes EN 13603:2013

English Version

Copper and copper alloys - Test methods for assessing protective tin coatings on drawn round copper wire for electrical purposes

Cuivre et alliages de cuivre - Méthodes d'évaluation des revêtements en étain sur les fils ronds étirés en cuivre pour usages électriques

Kupfer und Kupferlegierungen - Prüfverfahren zur Beurteilung von Schutzüberzügen aus Zinn auf gezogenen Runddrähten aus Kupfer für die Anwendung in der Elektrotechnik

This European Standard was approved by CEN on 12 April 2021.

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

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EN 13603:2021 (E)

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European foreword

This document (EN 13603:2021) has been prepared by Technical Committee CEN/TC 133 “Copper and copper alloys”, the secretariat of which is held by DIN.

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of an identical text or by endorsement, at the latest by November 2021, and conflicting national standards shall be withdrawn at the latest by November 2021.

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

This document supersedes EN 13603:2013.

In comparison with the previous edition, the following technical modifications have been made:

- included the X-ray fluorescence analysis (XRF) to measure the thickness of the tin layer.

According to the CEN-CENELEC Internal Regulations, the national standards organisations of the following countries are bound to implement this European Standard: Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

EN 13603:2021 (E)**1 Scope**

This document specifies methods for assessing the tin coating on drawn round copper wire for the manufacture of electrical conductors, e.g. according to EN 13602.

This document includes test methods for the determination of the following characteristics:

- a) thickness of the unalloyed tin coating;
- b) continuity of the tin coating;
- c) adherence of the tin coating.

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2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 610, *Tin and tin alloys - Ingot tin*

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