



BSI Standards Publication

Ultra-low carbon high boron steel wire rod for copper clad wire

National foreword

This British Standard is the UK implementation of ISO 14811:2025.

The UK participation in its preparation was entrusted to Technical Committee ISE/106, Wire Rod and Wire.

A list of organizations represented on this committee can be obtained on request to its committee manager.

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

© The British Standards Institution 2025
Published by BSI Standards Limited 2025

ISBN 978 0 539 26138 7

ICS 77.140.65

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 28 February 2025.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------



**International
Standard**

ISO 14811

Ultra-low carbon high boron steel wire rod for copper clad wire

*Fil machine en acier à haute teneur en bore et à très faible teneur
en carbone pour les fils gainés de cuivre*

**First edition
2025-02**

Reference number
ISO 14811:2025(en)

© ISO 2025



Documents

Document Sharing Hub



COPYRIGHT PROTECTED DOCUMENT

© ISO 2025

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

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

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Designation	2
5 Ordering information	2
6 Production process	2
7 Requirements	2
7.1 Dimensions and tolerances	2
7.2 Chemical composition	3
7.3 Delivery condition	3
7.4 Mechanical properties	3
7.5 Internal soundness and surface quality	3
7.6 Depth of surface discontinuities	3
7.7 Non-metallic inclusion	3
7.8 Conductivity	3
8 Inspection	4
8.1 Inspection and inspection documents	4
8.2 Acceptance unit	4
8.3 Test methods	4
8.3.1 Diameter and out-of-roundness	4
8.3.2 Chemical composition	4
8.3.3 Tensile strength	4
8.3.4 Surface discontinuities	4
8.3.5 Non-metallic inclusion	4
8.3.6 Conductivity	4
9 Retest	5
10 Marking	5
11 Disputes	5
Bibliography	6