



BSI Standards Publication

Explosives for civil uses — Detonators and detonating cord relays

Part 4: Verification of resistance to abrasion of leading wires and shock tubes

National foreword

This British Standard is the UK implementation of EN 13763-4:2025. It supersedes BS EN 13763-4:2003, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee CII/61, Explosives for civil uses.

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

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Date

Text affected

English Version

Explosives for civil uses - Detonators and detonating cord relays - Part 4: Verification of resistance to abrasion of leading wires and shock tubes

Explosifs à usage civil - Détonateurs et relais pour
cordeau détonant - Partie 4 : Vérification de la
résistance à l'abrasion des fils d'amorce et des tubes à
transmission d'ondes de choc

Explosivstoffe für zivile Zwecke - Zünder und
Sprengschnurverbinder - Teil 4: Überprüfung der
Widerstandsfähigkeit von Zünderdrähten und
Zündschläuchen gegenüber Abrieb

This European Standard was approved by CEN on 29 September 2025.

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European foreword

This document (EN 13763-4:2025) has been prepared by Technical Committee CEN/TC 321 “Explosives for civil uses”, the secretariat of which is held by UNE.

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of an identical text or by endorsement, at the latest by April 2026 and conflicting national standards shall be withdrawn at the latest by April 2026.

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 13763-4:2003.

EN 13763-4:2025 includes the following significant technical changes with respect to EN 13763-4:2003:

- a) the document title has been changed from “Detonators and relays — Part 4: Determination of resistance to abrasion of leading wires and shock tubes” to “Detonators and detonating cord relays — Part 4: Verification of resistance to abrasion of leading wires and shock tubes”;
- b) the Introduction has been removed;
- c) the Scope has been revised to clarify the covered and not covered explosives;
- d) the normative references have been updated;
- e) the Clause “Apparatus” has been revised and enlarged;
- f) the Clause “Test pieces” is now called “Preparation of test sample” and has been revised to include the conditioning of the test pieces that is no longer part of the clause “Procedure”;
- g) the number of test pieces has been changed from 10 to 20;
- h) the Clause “Procedure” has been revised and further detailed;
- i) the Clause 8 “Expression of results” has been added;
- j) the Clause “Test report” does no longer require conformity with EN ISO/IEC 17025 and the information to be provided has been revised;
- k) the former Annex A “Range of applicability of the test method” has been removed;
- l) the former Annex B has been revised and is now Annex A “Specification of grinding steel for abrasive strips”;
- m) a new Annex B “Method for monitoring the degradation of abrasive strips” has been added;
- n) the former Annex C “Availability of abrasive strips” has been removed and its information has been added to 5.1.2 as footnote.
- o) the Annex ZA has been updated;
- p) the Bibliography has been added and lists EN ISO/IEC 17025:2017.