BS EN IEC 62641:2022

BSI Standards Publication

Conductors for overhead lines — Aluminium and aluminium alloy wires for concentric lay stranded conductors

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National foreword

This British Standard is the UK implementation of EN IEC 62641:2022. It is identical to IEC 62641:2022. It supersedes BS EN 60889:1997, BS EN 50183:2000 and BS EN 62004:2009, which are withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/7, Overhead electrical conductors.

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

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Published by BSI Standards Limited 2022

ISBN 978 0 539 03265 9

ICS 17.220.20; 29.060.10; 29.240.20

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This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 June 2022.

Amendments/corrigenda issued since publication

Date	Text affected

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 62641

May 2022

ICS 29.060.01; 29.240.20

Supersedes EN 62004:2009, EN 50183:2000, EN 60889:1997

English Version

Conductors for overhead lines - Aluminium and aluminium alloy wires for concentric lay stranded conductors (IEC 62641:2022)

Conducteurs pour lignes aériennes - Fils d'aluminium et en alliage d'aluminium pour conducteurs toronnés à couches concentriques (IEC 62641:2022)

Leiter für Freileitungen - Drähte aus Aluminium und Aluminiumlegierung für Leiter aus konzentrisch verseilten Drähten (IEC 62641:2022)

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European foreword

The text of document 7/713/FDIS, future edition 1 of IEC 62641, prepared by IEC/TC 7 "Overhead electrical conductors" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62641:2022.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-04-11
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-04-11

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

CONDUCTORS FOR OVERHEAD LINES – ALUMINIUM AND ALUMINIUM ALLOY WIRES FOR CONCENTRIC LAY STRANDED CONDUCTORS

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IEC 62641 has been prepared by IEC technical committee 7: Overhead electrical conductors. It is an International Standard.

This first edition cancels and replaces the second edition of IEC 60104 published in 1987, the first edition of IEC 60121 published in 1960, the first edition of IEC 60889 published in 1987, and the first edition of IEC 62004 published in 2007. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous editions of IEC 60104, IEC 60121, IEC 60889 and IEC 62004:

a) designations of aluminium alloys are modified;
b) aluminium alloys A4, AL4 and AL5 are added;
c) wire diameter ranges for indicating mechanical properties are modified and extended;
d) test methods are merged.

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The text of this International Standard is based on the following documents:

Draft	Report on voting
7/713/FDIS	7/721/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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