

Specifications for particular types of winding wires

Part 0. General requirements

Section 2. Enamelled rectangular copper wire

The European Standard EN 60317-0-2 : 1994 has the status of a British Standard

ICS 29.060.10

Committees responsible for this British Standard

The preparation of this British Standard was entrusted by the Cables and Insulation Standards Policy Committee (CIL/-) to Technical Committee CIL/55, upon which the following bodies were represented:

- Covered Conductors Association
- Electrical and Electronic Insulation Association (BEAMA Ltd.)
- Electronic Components Industry Federation
- Transmission and Distribution Association (BEAMA Ltd.)

This British Standard, having been prepared under the direction of the Cables and Insulation Standards Policy Committee, was published under the authority of the Standards Board and comes into effect on 15 May 1993

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The following BSI references relate to the work on this standard:
Committee reference CIL/55
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Amendments issued since publication

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8986	June 1996	Indicated by a double line in the margin

Summary of pages

The following table identifies the current issue of each page. Issue 1 indicates that a page has been introduced for the first time by amendment. Subsequent issue numbers indicate an updated page. Vertical sidelining on replacement pages indicates the most recent changes (amendment, addition, deletion).

Page	Issue	Page	Issue
Front cover	2	6	original
Inside front cover	2	7	original
a	1	8	original
b	blank	9	original
i	2	10	original
ii	2	11	original
iii	original	12	original
iv	blank	13	original
EN title page	1	14	original
ivb	1	15	original
1	original	16	original
2	original	17	2
3	original	18	1
4	original	Inside back cover	2
5	original	Back cover	2

Change of identifier

Wherever BS 6811 : Section 4.1 : 1993 appears in this standard, it should be read as BS EN 60317-0-2 : 1996.

Contents

	Page
Committees responsible	Inside front cover
National foreword	ii
Foreword to EN 60317-0-2	iva
Foreword to amendment A2	iva
Specification	
1 Scope	1
2 Normative references	1
3 Definitions and general notes on methods of test	2
4 Dimensions	3
5 Electrical resistance	7
6 Elongation	7
7 Springiness	7
8 Flexibility and adherence	7
9 Heat shock	8
10 Cut-through	8
11 Resistance to abrasion	8
12 Resistance to solvents	8
13 Breakdown voltage	8
14 Continuity of insulation	9
15 Temperature index	9
16 Resistance to refrigerants	9
17 Solderability	9
18 Heat or solvent bonding	9
19 Dielectric dissipation factor	10
20 Resistance to transformer oil	10
21 Loss of mass	10
22 High temperature failure	10
30 Packaging	10
Annexes	
A (informative) Nominal cross-sectional areas for preferred and intermediate sizes	11
B (informative) Special tolerances	17
ZA (normative) Other international publications quoted in this standard with the references of the relevant European publications	18
Tables	
1 Conductor tolerances	4
2 Nominal cross-sectional areas of preferred sizes	5
3 Corner radii	6
4 Increases in dimensions	6
5 Elongation	7
6 Mandrel winding	8
7 Breakdown voltage	9
A.1 Nominal cross-sectional areas	11

National foreword

This British Standard was prepared by Technical Committee GEL/55 (formerly CIL/55). It is identical with IEC 317-0-2 : 1990 *Specifications for particular types of winding wires Part 0: General requirements Section 2 : Enamelled rectangular copper wire* incorporating Amendments 1 and 2 published by the International Electrotechnical Commission (IEC).

In 1994 the European Committee for Electrotechnical Standardization (CENELEC) accepted IEC 317-0-2 : 1990 as European Standard EN 60317-0-2 : 1994. As a consequence of implementing the European Standard, this British Standard is renumbered as BS EN 60317-0-2 and any reference to BS 6811 : Section 4.1 should be read as a reference to BS EN 60317-0-2.

BS 6811 : Section 4.1 : 1991 is withdrawn.

In referring to the methods of test in BS 6811 : Part 2 this Section calls for the use of substances and procedures that may be injurious to health if adequate precautions are not taken. It refers only to technical suitability and does not absolve the user from legal obligations relating to health and safety at any stage.

The clause numbers used in this Section are not consecutive. The clause numbers are identical with the test numbers used in IEC 851, which is identical with BS 6811 : Part 2 (see **3.2**).

Where reference is made in the IEC foreword to IEC 317-0-2 replacing IEC 182-3, attention is drawn to the following British Standards which are related to IEC 182-3 : BS 4643, BS 4720 : Part 2, BS 4799 : Part 2 and BS 4801 : Part 2.

The introduction to IEC 317-0-2 reads as follows.

‘This International Standard is one of a series which deals with insulated wires used for windings in electrical equipment. The series has three groups describing:

- 1) methods of test (IEC 851);
- 2) specifications (IEC 317);
- 3) packaging (IEC 264).’

Cross-references

International standard	Corresponding British Standard
	BS 6811 <i>Winding wires</i>
IEC 317-16 : 1990	Section 4.4 : 1993 <i>Polyester enamelled rectangular copper wire, class 155</i> (Identical)
IEC 317-17 : 1990	Section 4.5 : 1993 <i>Polyvinyl acetal enamelled rectangular copper wire, class 105</i> (Identical)
IEC 317-18 : 1990	Section 4.6 : 1993 <i>Polyvinyl acetal enamelled rectangular copper wire, class 120</i> (Identical)
IEC 317-28 : 1990	Section 4.3 : 1991 <i>Polyesterimide base enamel, class 180</i> (Identical)
IEC 317-29 : 1990	Section 4.2 : 1991 <i>Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 200</i> (Identical)
IEC 317-30 : 1990	Section 4.7 : 1993 <i>Polyimide enamelled rectangular copper wire, class 220</i> (Identical)
IEC 851	Part 2 <i>Methods of test</i> (Identical)
ISO 3 : 1973	BS 2045 : 1965 <i>Preferred numbers</i> (Technically equivalent)

The Technical Committee has reviewed the provisions of IEC 172 : 1987 and IEC 264 to which reference is made in the text, and has decided that they are acceptable for use in conjunction with this standard.

NOTE. Reference should be made to BS 6811 : Part 0 *General introduction and list of Parts*, which lists all standards in the BS 6811 series and gives their relationships with IEC publications.

Compliance with a British Standard does not of itself confer immunity from legal obligations.

Descriptors: Winding, electric wire, insulated wire, enamelled wire, copper, rectangular shape, specification, dimension

English version

Specifications for particular types of winding wires
Part 0: General requirements
Section 2: Enamelled rectangular copper wire
(includes amendment A2 : 1994)

(IEC 317-0-2 : 1990 + A1 : 1992)

Spécifications pour types particuliers de fils de bobinage

Partie 0: Prescriptions générales

Section 2: Fil de section rectangulaire en cuivre émaillé (inclut l'amendement A2 : 1994)

(CEI 317-0-2 : 1990 + A1 : 1992)

Technische Lieferbedingungen für bestimmte Typen von Wickeldrähten

Teil 0: Allgemeine Anforderungen

Hauptabschnitt 2: Lackisolierte Flachdrähte aus Kupfer (enthält Änderung A2 : 1994)

(IEC 317-0-2 : 1990 + A1 : 1992)

This European Standard was approved by CENELEC on 1994-07-05. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC

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