

# Specifications for particular types of winding wires —

## Part 39: Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180

*Incorporating  
Amendment No. 1 to  
BS 6811:Section  
7.1:1993 (renumbers  
the BS as BS EN  
60317-39:1995) and  
Amendments Nos. 1  
and 2 to BS EN  
60317-39:1995, not  
published separately*

The European Standard EN 60317-39:1994, with the incorporation of amendments A1:1998 and A2:2005, 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 April 1993

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The following BSI references relate to the work on this standard:  
Committee reference CIL/55  
Special announcement in *BSI News March 1993*

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## Amendments issued since publication

| Amd. No. | Date        | Comments                                                   |
|----------|-------------|------------------------------------------------------------|
| 8591     | May 1995    | Renumbered BS 6811:Section 7.1:1993 as BS EN 60317-39:1995 |
| 10335    | July 1999   | See national foreword                                      |
| 16134    | 31 May 2006 | See national foreword                                      |

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# National foreword

This British Standard has been prepared by Technical Committee GEL/55 (formerly CIL/55) and is the English language version of EN 60317-39:1994 *Specifications for particular types of winding wires Part 39: Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 180*, including amendments A1:1998 and A2:2005, published by the European Committee for Electrotechnical Standardization (CENELEC). It is identical with IEC 60317-39:1992, including amendments 1:1997 and 2:2005, published by the International Electrotechnical Commission (IEC).

The start and finish of text introduced or altered by IEC amendment is indicated in the text by tags **A1** **A1**. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by **A1** **A1**.

**WARNING.** In referring to the methods of test in BS EN 60851 this Part of BS EN 60317 calls for the use of substances and/or procedures that may be injurious to health if adequate precautions are not taken. It refers 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 Part are not consecutive. The clause numbers are identical with the test numbers used in IEC 851, which is identical with BS EN 60851 (see 3.2 of BS EN 60317-0-5:1995).

The introduction to IEC 60317-39 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).”

NOTE 1 This Part of BS EN 60317 should be read in conjunction with BS EN 60317-0-5 *General requirements. Glass-fibre braided resin or varnish impregnated, enamelled rectangular copper wire*.

NOTE 2 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 relationship with IEC publications.

## Cross-references

| International standard | Corresponding British Standard                                                                                                                  |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | BS 6811 <i>Winding wires</i><br>Part 4 <i>Specifications for particular types of rectangular winding wires</i>                                  |
| IEC 317-16:1990        | Section 4.4:1993 <i>Polyester enamelled rectangular copper wire, class 155</i><br>(Identical)                                                   |
| IEC 317-28:1990        | Section 4.3:1991 <i>Polyesterimide base enamel, class 180</i><br>(Identical)                                                                    |
| IEC 317-29:1990        | Section 4.2:1991 <i>Polyester or polyesterimide overcoated with polyamide-imide enamelled rectangular copper wire, class 200</i><br>(Identical) |
| IEC 317-30:1990        | Section 4.7:1993 <i>Polyimide enamelled rectangular copper wire, class 200</i><br>(Identical)                                                   |
| IEC 851                | Part 2 <i>Methods of test</i><br>(All sections are identical)                                                                                   |
| ISO 3:1973             | BS 2045:1965 <i>Preferred numbers</i><br>(Technically equivalent)                                                                               |

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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

## Summary of pages

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