

(PREVIEW)

Indian Standard

**SPECIFICATIONS FOR PARTICULAR
TYPES OF WINDING WIRES**

PART 0 GENERAL REQUIREMENTS

**Section 5 Glass-Fibre Braided, Resin or Varnish Impregnated, Bare or Enamelled
Rectangular Copper Wire**

1 Scope

This part of IEC 60317 specifies general requirements of glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire.

The range of nominal conductor dimensions is given in the relevant specification sheet.

When reference is made to a winding wire according to IEC 60317-39 or IEC 60317-40 mentioned under Clause 2, the following information is given in the description:

- reference to IEC specification;
- nominal conductor dimensions in millimetres (width × thickness);
- grade of coating and glass covering.

The coating shall be characterised by the following grades of thickness:

- BGL1, bare conductor with 1 braided layer of glass fibre
- BGL2, bare conductor with 2 braided layers of glass fibre
- grade 1 BGL1, enamelled grade 1 (grade 1) with 1 braided layer of glass fibre (BGL1)
- grade 1 BGL2, enamelled grade 1 (grade 1) with 2 braided layers of glass fibre (BGL2)
- grade 2 BGL1, enamelled grade 2 (grade 2) with 1 braided layer of glass fibre (BGL1)
- grade 2 BGL2, enamelled grade 2 (grade 2) with 2 braided layers of glass fibre (BGL2)

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60317-39, *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*

IEC 60317-40, *Specifications for particular types of winding wires – Part 40: Glass-fibre braided resin or varnish impregnated, bare or enamelled rectangular copper wire, temperature index 200*

IEC 60851 (all parts), *Methods of test for winding wires*

ISO 3, *Preferred numbers – Series of preferred numbers*