

(PREVIEW)
Indian Standard
**SPECIFICATION FOR
VARNISH BONDED GLASS-FIBRE BRAIDED
RECTANGULAR COPPER CONDUCTORS**

1. SCOPE

1.1 General — This standard relates to varnish bonded glass fibre covered rectangular copper conductors, the glass covering being a single braid of glass fibre, bonded with a suitable highly polymerized thermo-setting varnish of temperature index at least 130°C.

NOTE — The individual temperature ratings (or the different types of varnishes may be agreed upon between the manufacturer and the user.

1.1.1 It does not apply to stranded or laminated conductors or to conductors covered with a layer of material other than the bonded glass braid.

1.2 Sizes — The requirements of this standard are applicable to conductors having thicknesses from 0.80 up to and including 5.6 mm and widths from 2 up to and including 16 mm, A schedule of preferred sizes is given in IS : 6160-1971*.

1.3 Grades or Covering — Three grades of covering are specified:

- a) Fine (F),
- b) Medium (M), and
- c) Thick (T).

NOTE — *Edgewise Binding* — Covered conductors conforming to this Indian Standard are not necessarily suitable for severe edgewise bending. Any special test requirements should be agreed between the purchaser and the supplier.

*Specification for rectangular conductors for electrical machines.