

(PREVIEW)
Indian Standard
**SPECIFICATION FOR
COVERED ALUMINIUM CONDUCTORS**

PART II RECTANGULAR CONDUCTORS

1. SCOPE

1.1 General — This standard (Part II) gives requirements and tests for solid aluminium conductors of rectangular section, covered with two or more layers of paper, primarily intended for transformer windings.

1.2 Sizes — The requirements of the 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 of Covering — Two grades of covering are specified:

- a) ***Double Paper Covered*** — with a minimum total increase in dimensions of 0.25 mm due to covering; and
- b) ***Multiple Paper Covered*** — with more than two layers of paper.

NOTE — Edgewise bending paper-covered conductors conforming to this standard are not necessarily suitable for severe edgewise bending. Any special test requirements should be agreed between the manufacturer and the purchaser.

*Specification for rectangular conductors for electrical machines.