

(PREVIEW)

## *Indian Standard*

### SPECIFICATION FOR ENAMELLED AND VARNISH BONDED GLASS FIBRE COVERED ROUND COPPER WIRES

#### 1. SCOPE

**1.1** This standard relates to round copper wires coated with enamel and covered with single or double glass fibre lapped, bonded with a suitable highly polymerised thermosetting varnish. The wires covered by this standard are suitable for temperature index 130, 155, 180 and 200. The type of enamel and varnish shall be based on the temperature index of the wire required by the purchaser.

**1.2** Sizes - The requirements of this standard are applicable to conductors having diameters 0.800 mm to 4000 mm. A schedule of preferred sizes of round conductor is given in Table 1 of IS :4800 (Part I)-1968†.

**1.3** Grades of covering specified are given below:

- |                    |          |    |
|--------------------|----------|----|
| a) Enamel covering | Medium - | E1 |
| b) Glass covering  | Single - | G1 |
|                    | Double - | G2 |

Grades of enamelled and glass fibre covered copper wires will be denoted as E<sub>1</sub>G<sub>1</sub> and E<sub>1</sub>G<sub>2</sub>.