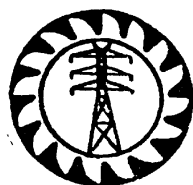


032: 1994

**CEB  
STANDARD**

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**SEALING WIRE**



**CEYLON ELECTRICITY BOARD  
SRI LANKA**

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*Specification*

*for*

## **SEALING WIRE**

**CEB Standard 032 : 1994**

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## SPECIFICATION FOR SEALING WIRE

### 1.0 SCOPE

This Specification covers the manufacture and testing of Sealing Wire suitable for use with tinned copper sealing ferrules for sealing electrical equipment.

### 2.0 SERVICE CONDITIONS

- |    |                                    |   |   |
|----|------------------------------------|---|---|
| a) | Annual average ambient temperature | - | 30°C  |
| b) | Maximum ambient temperature        | - | 40°C  |
| c) | Maximum relative humidity          | - | 90%   |
| d) | Environmental condition            | - | Humid tropical climate with polluted atmosphere |

### 3.0 APPLICABLE STANDARD

The item supplied shall be in accordance with the standards specified below or latter edition and/or amendments thereof.

- |    |                |   |   |
|----|----------------|---|---|
| a) | BS 1052 (1986) | - | Mild steel wire for general engineering purposes.                   |
| b) | BS 2763 (1986) | - | Round carbon steel wire ropes.                                      |
| c) | BS 443(1990)   | - | Testing of zinc coating on steel wire and for quality requirements. |

### 4.0 BASIC FEATURES

The sealing wire shall be suitable for sealing electricity meters, meter boxes service cutouts and other similar electrical equipment.

The sealing wire shall be made out of galvanised steel wire complying to BS 1052 or BS 2763 and the galvanized coating thickness shall conform to BS 443.

It shall be suitable for use with tinned copper sealing ferrules. The diameter of the wire hole of the tinned copper sealing ferrule is approximately 3mm.

The overall diameter of the sealing wire shall not be more than 1.1 mm. and shall be one of the type given below.

Type a - A 0.3mm mild steel wire conforming to BS 1052 spirally wound round a 0.5mm mild steel wire.

Type b - A stranded steel wire with seven strands of high tensile steel wires of 0.914 mm diameter conforming to BS 2763.

## **5.0 INFORMATIONS TO BE SUPPLIED WITH THE OFFER**

The following test certificates conforming to the relevant standard specified shall be furnished with the offer;

- a) Tensile test.
- b) Galvanised coating thickness test.
- c) Rapping and bending tests.

## **6.0 ADDITIONAL REQUIREMENTS**

### **6.1 Packing**

Type a : The sealing wire shall be supplied in approximately 0.5kg rolls or 50 metre rolls and 24 rolls shall be wrapped in polythene and packed in each wooden boxes.

Type b : The sealing wire shall be supplied in length of 150mm and 1000 Nos. of sealing wire shall be wrapped in polythene and packed in cardboard boxes.

### **6.2 Marking**

Each box shall be marked with the following information : -

- a) Sealing wire
- b) Quantity/Weight
- c) Manufacturer's identification mark and country of origin
- d) Year of manufacture

## **7.0 SAMPLE STUDY**

A sample of 5 m length of sealing wire shall be supplied by the Bidder to facilitate evaluation of the Bid.

A sample tinned copper sealing ferrule to be used with the sealing wire will be provided to the Bidder if requested.