

## **TECHNICAL SPECIFICATION FOR COPPER TAPE**

### **1. Application:**

Annealed copper tape specified by this standard is mainly used as an insulation metallic screen for electric cables with operating voltage above 3.6 kV up to 220 kV applied helically on the insulated cores or to wrap the copper screen wires. Also used as screen in the control cables on the bedded cores.

### **2. Standards:**

The latest editions of the following standards are applicable:

- BS 6622
- DIN 1787

### **3. Appearance:**

Copper tape should be of uniform quality and supplied in form of coils in one continuous length without any kind of joints. Tapes should be clean, smooth and free from any sharp edges or any defects.

### **4. Requirements:**

#### **- Mechanical Properties:**

1. Minimum tensile strength = 200 N/mm<sup>2</sup>
2. Minimum elongation 25 % (in 250 mm)

#### **- Size: Width 50 mm, Thickness 0.097 mm.**

#### **- Electrical Properties:**

Electrical resistivity shall not exceed 17.241 ohm.mm<sup>2</sup>/km at 20 C.

### **5. Packing:**

The copper tape coils should be of outer diameter of 500 mm and of inner diameter of 152 mm (-/+ 0.5 mm). Coils should be packed in wooden boxes strong enough such that no kind of damage may occur during transportation, handling and storage.

With each box the supplier should submit a tag including the supplier name, purchasing order number, box number, tape size, net weight and gross weight.

Prepared by: Eng Farid Khafaga

approved by :Eng.\M.shaban



# **Egypt cables**