

دوڪاب  
Ducab



**SOFT DRAWN ANNEALED  
TINNED COPPER WIRE**

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## TECHNICAL & QUALITY

- **Wire diameter:**  
3.15, 2.5, 2.0, 1.6, 1.25, 0.81 or other as specified in the order with tolerance of  $\pm 0.01$  mm.
- **Tin coating**
  - i) **Thickness:**
    - For wires to be used directly for stranding, nominal thickness - 1 micron.
    - For wires to be further drawn to lower diameter, nominal thickness - 3 microns.
  - ii) **Quality:**  
Tinning Test as per Cl. 9.1 of BS: 6360.
- **Elongation:**  
When tested in accordance with the method described in BS EN 10002, the minimum EAB - 27%.
- **Electrical Resistivity of wire:**  
The electrical resistivity of the tinned wire not to exceed  $17.241 \text{ ohm-mm}^2/\text{km}$ .
- **Joints/Welds:**
  - Welds in the wire limited to minimum in number.
  - No joints in a coil length. But if welded joints before tinning (cold compression technique preferably) are resorted to, 2 per length are permissible.
  - All welds dressed, smooth and tensile value at least equal to that of the wire itself.



## FORM OF SUPPLY

- **Packaging**

Wire supplied in rigid cardboard boxes of design and dimensions generally as described in the drawing.

- **Cover**

Weatherproof and durable plastic cover of adequate mechanical strength wrapped around packaging for seaworthy transportation.

Small bags of “silica gel” (or equivalent) provided inside the packaging to absorb the moisture where condensation is likely to occur during transportation.

### 4.3 Identification

Each of the baskets / boxes shall be marked to show the following and shall be visible without opening the wrapping/packing.

- i) Wire diameter in mm.
- ii) Manufacturer’s identification.
- iii) Coil / Batch number.
- iv) Net weight.

## AT A GLANCE

### Standard wire sizes and assured minimum coating thickness.

Tin wire size:	1.30 mm to 3.20 mm
Tin coat thickness:	min. 2 micron to max. 20 micron
Redrawn Multi Tin wire size:	0.15 mm to 1.04 mm
Tin coat thickness:	min. 1 micron to max. 8 micron
Redrawn Tin wire size:	0.40 mm to 1.30 mm
Tin coat thickness:	min. 1 micron to max. 8 micron
Tin Bunched Conductor:	0.5 mm <sup>2</sup> to 10 mm <sup>2</sup>
Tin stranded conductor:	16 mm <sup>2</sup> to 630 mm <sup>2</sup>

### Packing standards

Octabin Box, 630mm Plywood reels or Coil

### International standards adhered

Tin quality - 99.85% pure, as per BS EN 610:1996

Tin wire - As per BS: 6360, BS EN 60228, ASTM - B33-10,  
IEC 60228

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