

无锡统力电工有限公司

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PAPER COVERED SINGLE AND MULTIPLE STRIP WIRE

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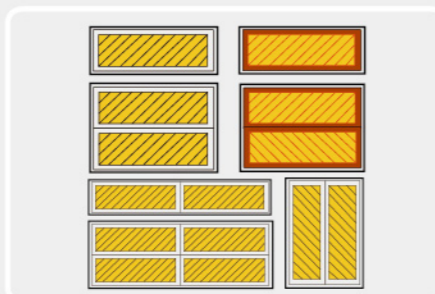
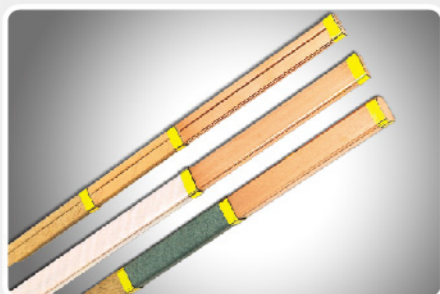
Paper covered single and multiple strip wire

Product introduction

Paper covered wire and multiple strip wire are the important material for transformer winding. It is mainly used manufacturing winding of various power transformers, reactor and distribution transformer.

Toly Electric is professional manufacture of paper covered wire and multiple strip wire made of copper and Aluminum, which have the advantage of accuracy dimensions, proper wrap tightness and without join over length of 8000m.

Product type



across section of product

- Paper covered wire
- Paper covered enamelled wire
- Multiple bare wire
- Multiple paper covered wire
- Multiple paper covered enamelled wire
- Multiple film covered wire

Above products can be produced according to customer requirement.

Technical parameters

Conductor size of paper covered wire

Suggested size for flat conductor: Thickness 0.80~12.00 mm
Width 3.00~25.00 mm
Width /thickness: ≤ 20
max.cross section 200 mm²

Suggested size for round conductor: Diameter 2.00~5.00 mm

Conductor size of paper covered enamelled wire and multiple paper covered enamelled wire

Suggested size for flat conductor: Thickness 1.00~3.00 mm
Width 5.00~18.00 mm

Suggested size for round conductor: Diameter 2.00~5.00 mm

Conductor size of multiple wire (bare wire, paper covered or film covered wire)

Suggested size for flat conductor: Thickness 1.00~6.00mm, Width 4.00~20.00mm
width/thickness: ≤20 , max.cross section 150 mm²



Insulation wrapping type

Butt wrap---butt gap ≤ 0.5mm Overlap wrap---lap width 2~4 mm Interlock wrap---interlace 50%

Material standard

Conductor

The copper conductor is made from high quality oxygen free copper rod, oxygen content less than 20 ppm and electric conductivity more than 100% after annealing

- Below proof stress Rp0.2 is recommended:

| | | |
|----|------------------------------------|---|
| C1 | Rp0.2 (>100~180) N/mm ² | When Rp0.2 is <200 N/mm ² , electric resistivity is < 1/58 Ω·mm ² /m |
| C2 | Rp0.2 (>180~220) N/mm ² | When Rp0.2 is >200 N/mm ² , electric resistivity is <1/57.8 Ω·mm ² /m |
| C3 | Rp0.2 (>220~260) N/mm ² | |

The aluminum conductor is made from high quality aluminum rod, the electric conductivity more than 62% after annealing

Wrapping material: high quality insulation material from domestic and foreign market

- Kraft paper (cable paper)
- High extensibility fiber paper
- High density paper
- Nomex paper
- Thermally up-graded paper
- PET film

Customer could appoint the brand, type and size of the insulation material.

Product packing

Recommended bobbin specification of PCW wire

| Size | Side plate | Barrel | Out width | Inner width | Center hole | Load |
|------|------------|--------|-----------|-------------|-------------|--------|
| 500 | 500 | 250 | 290 | 250 | 40 | 150kg |
| 600 | 600 | 300 | 240 | 200 | 45 | 180kg |
| 720 | 720 | 350 | 290 | 250 | 50 | 280kg |
| 800 | 800 | 400 | 480 | 400 | 60 | 600kg |
| 1000 | 1000 | 600 | 480 | 400 | 105 | 1000kg |
| 1250 | 1250 | 800 | 650 | 500 | 105 | 1500kg |
| 1600 | 1600 | 1100 | 650 | 500 | 105 | 2000kg |
| 1600 | 1600 | 1100 | 850 | 700 | 105 | 3000kg |