

# ENAMELLED WIRES

WIRE/OF 200° 23 AWG



**Nexans Ref.:** P00014895-5  
**Country Ref.:** 10001627

## CONTACT

Local Sales  
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Heavy film insulated round copper wire for hermetic applications thermal class 200°.

## APPLICATION

In the windings of electrical equipment operating temperature of around 200 ° C, for traction motors, transformers. In any equipment subject to severe conditions of moisture and heat.

## STANDARDS

### PRODUCT

ASTM B1; NEMA MW 73-C

## CONSTRUCTION

Wire: Hard copper.

Insulated: Enamel polyester (amide) (imide) overcoated with Polyamideimide.

## MAIN CHARACTERISTICS

Excellent thermal stability with good electrical and mechanical characteristics. Resistance to abrasion. Both copper and enamel have resistance to handling and easily rolled. Good adhesion between copper and enamel.

## GAUGE

From 26 AWG to 12 AWG.

## PACKING

In plastic reels DIN type.

## PRODUCT STANDARDS

**ASTM B 1:** Hard-drawn copper wire.

**ANSI/NEMA MW 73-C:** Magnet wire - polyester (amide)(imide) Overcoated with Polyamideimide for Hermetic Applications (Heavy, Triple, Quad).

## CHARACTERISTICS

### Construction characteristics

Conductor material

Hard copper

Enamel type

Polyesterimide - polyamide/imide



Chemical resistance  
**Good**

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## Dimensional characteristics

|                                     |         |
|-------------------------------------|---------|
| Conductor cross-section (AWG/KCMIL) | 23      |
| Wire diameter                       | 0.57 mm |
| Outer Diameter                      | 0.64 mm |
| Approximate weight                  | 2 kg/km |

## Mechanical characteristics

|            |      |
|------------|------|
| Elongation | 29 % |
|------------|------|

## Usage characteristics

|                           |      |
|---------------------------|------|
| Chemical resistance       | Good |
| Midspan                   | No   |
| Reference                 | 04   |
| Thermal class (base coat) | 200  |



Chemical resistance  
Good