



MAGNETEMP® CA-200
MAGNETEMP® CA₂-200

Properties

Magnetemp® CA-200 has the following characteristics:

- temperature index of 210°C,
- good resistance to heat shock and high temperature overload,
- excellent mechanical characteristics and chemical properties

Insulation

Magnetemp® CA-200 is a (THEIC) polyesterimide enameled copper wire, overcoat with polyamide-imide.

Application

Magnetemp® CA-200 has the following characteristics:

- winding on high-speed automatic machines,
- winding that experience severe heat overloads as well as mechanical or chemical stress.

Main applications are found in motors, transformers and all coils designed for class H and higher products.

Production range

The standards are:

- Diameter: 0.10 to 5 mm
- Thickness: Grade 1 and Grade 2
- Color: Natural

This product is also available as selflubricated wire, particularly designed for high-speed winding process: **Magnetemp® CA₂-200**

Characteristics

Magnetemp® CA-200 fulfills the requirements of the following specifications:

- IEC 60317-13
- NEMA MW 35/36

Magnetemp® CA-200 and **Magnetemp® CA₂-200** have an official approval by UL, class 200.

MAGNETEMP® CA-200

Valeurs typiques d'un fil Magnetemp® CA-200 mesurées selon les normes CEI 60 851	Typical values for a Magnetemp® CA-200 sample according to IEC 60 851 standards	
Diamètre du conducteur Diamètre sur émail Isolation de base Surcouche	0,400 0,446 Polyesterimide (THEIC) Polyamide-imide	Conductor Diameter Overall Diameter Basecoat Overcoat
Principales caractéristiques		Main characteristics
Indice de température	210°C	Thermal index
Durée de vie de 5000 h à	230°C	5000 h life test
Choc thermique	Good at 240°C	Heat shock
Thermoplasticité	≥ 340°C	Cut through temperature
Tension de claquage	≥ 1,5 IEC values	Breakdown voltage
Flexibilité	15 % + 1 diam.	Flexibility
Allongement	37 %	Elongation
Tangente Delta	≥ 185°C	Tangent Delta
Resistance aux agents chimiques	Good	Chemical resistance

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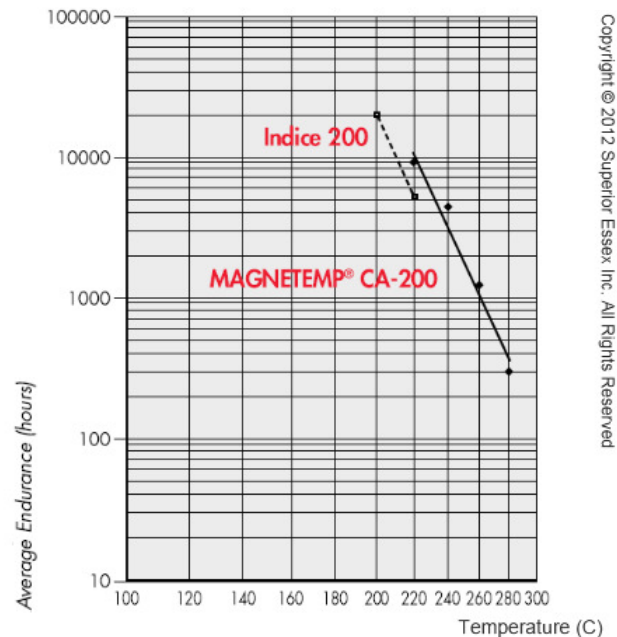
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Valeurs typiques d'un fil Magnetemp® CA-200 mesurées selon les normes CEI 60 851	Typical values for a Magnetemp® CA-200 sample according to IEC 60 851 standards	
Diamètre du conducteur Diamètre sur émail Isolation de base Surcouche	0,800 0,873 Polyesterimide (THEIC) Polyamide-imide	Conductor Diameter Overall Diameter Basecoat Overcoat
Principales caractéristiques		Main characteristics
Indice de température	210°C	Thermal index
Durée de vie de 5000 h à	230°C	5000 h life test
Choc thermique	Good at 240°C	Heat shock
Thermoplasticité	≥ 340°C	Cut through temperature
Tension de claquage	≥ 1,5 IEC values	Breakdown voltage
Flexibilité	10 % + 1 diam.	Flexibility
Allongement	40 %	Elongation
Tangente Delta	≥ 185°C	Tangent Delta
Resistance aux agents chimiques	Good	Chemical resistance

These values are for information only.

**THERMAL ENDURANCE GRAPH
- TEMPERATURE INDEX**

MAGNETEMP® CA-200, without impregnation
Nominal diameter 0,400 mm
Increase in diameter
due to the insulation 0,034 mm
Test voltage 400 V



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Mehr Information!
More informations!

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