

MAGNETEMP[®] Y-240

Properties

Magnetemp[®] Y-240 has the following characteristics:

- temperature index of 240°C,
- high cut through and high resistance to heat shock and high overloads,
- excellent mechanical characteristics while winding ,
- high chemical resistance,
- very good resistance to radiation.

Insulation

Magnetemp[®] Y-240 is a polyamide enameled copper wire.

Application

Magnetemp[®] Y-240 is designed for following applications:

- electrical machines supporting high thermal overloads,
- relays, transformers and special motors.

Production range

The standards are:

Diameter:	0.05 to 1.00 mm
Thickness:	Grade 1 and Grade 2
Color:	Natural

Characteristics

Magnetemp[®] Y-240 fulfills the requirements of the following specifications:

IEC 60317-46

NEMA MW 16

Magnetemp[®] Y-240 has an official approval by UL, class 240.

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Valeurs typiques d'un fil Magnetemp[®] Y-240 mesurées selon les normes CEI 60 851	Typical values for a Magnetemp[®] Y-240 sample according to IEC 60 851 standards	
Diamètre du conducteur	0,800	Conductor Diameter
Diamètre sur émail	0,867	Overall Diameter
Isolation de base	Polyimide	Basecoat
Principales caractéristiques		Main characteristics
Indice de température	240°C	Thermal index
Durée de vie de 5000 h à	260°C	5000 h life test
Choc thermique	OK at 300°C	Heat shock
Thermoplasticité	≥ 500°C	Cut through temperature
Tension de claquage	≥ 1,5 IEC values	Breakdown voltage
Flexibilité	10 % + 1 diam.	Flexibility
Allongement	40 %	Elongation
Tangente Delta	≥ 270°C	Tangent Delta
Resistance aux agents chimiques	Very good	Chemical resistance
Tenue aux radiations 3.10 ⁹ Rad de rayons gamma	Good	Keeping radiations 3.10 ⁹ Rad gamman ray

These values are for information only.