ENAMELLED WIRES

WIRE/OF 200° 18 AWG



Nexans Ref.: P00014900-4
Country Ref.: 10001622

CONTACT

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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

All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Nexans is indicative only and shall not be binding on Nexans or be treated as constituting a representation on the part of Nexans.

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Dimensional characteristics	
Conductor cross-section (AWG/KCMIL)	18
Wire diameter	1.02 mm
Outer Diameter	1.1 mm
Approximate weight	7 kg/km
Mechanical characteristics	
Elongation	32 %
Usage characteristics	
Chemical resistance	Good
Midspan	No
Reference	09
Thermal class (base coat)	200



Chemical resistance
Good

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