



Product: [8075](#)

Magnet Wire, #18 Sol BC, Polyester/Amide-imide Polymer Ins, CLASS 200

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Product Description

Magnet Wire, 18AWG (Solid) Bare Copper, Polyester/Amide-imide Polymer Insulation, CLASS 200

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	Solid	BC - Bare Copper	1

Conductor Count: 1

Insulation

Material	Nominal Diameter
Polyester	0.0437 in
Polyester (Modified)	

Outer Jacket Material

Max. Diameter
0.0437 mm

Construction and Dimensions

Min Increase in OD: 0.003 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.4 Ohm/1000ft

Current

Max. Recommended Current [A]
2.3 A

Voltage

Breakdown Voltage
5700 volts minimum at room temperature

Temperature Range

Operating Temp Range: 200°C

Mechanical Characteristics

Approximate Length:	199 ft
Turns Per Linear Inch:	23.2
Turns Per Square Inch:	538
Bulk Cable Weight:	5 lbs/1000ft

Standards

UL AWM Style:	N/A
Military Specification:	J-W-1177/14
Other Specification:	NEMA-MW-35-C (Heavy)

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
MII Order #39 (China RoHS):	Yes

Flammability, LSOH, Toxicity Testing

UL voltage rating:	N/A
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8075	None	Reel	1 ft	612825194576

History

Update and Revision:	Revision Number: 0.285 Revision Date: 04-28-2020
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