



**Part Number:** 8074

Magnet Wire, #16 Sol BC, Polyester/Amide-imide Polymer Ins, CLASS 200

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**Product Description**

Magnet Wire, 16AWG (Solid) Bare Copper, Polyester/Amide-imide Polymer Insulation, CLASS 200

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

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

Conductor Count: 1

**Insulation**

Material	Nominal Diameter
Polyester	0.0545 in
Polyester-Imide or Polyester-Amide-Imide Overcoated w/Polyamide-Imide	

**Outer Jacket Material**

Material	Max. Diameter
No Jacket	0.0545 mm

**Construction and Dimensions**

Min Increase in OD: 0.003 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
4 Ohm/1000ft

**Current**

Max. Recommended Current [A]
3.7 A

**Voltage**

Breakdown Voltage
6000 volts minimum at breakdown voltage

**Temperature Range**

Operating Temp Range: 200°C

**Mechanical Characteristics**

Approximate Length:	126 ft
Turns Per Linear Inch:	18.6
Turns Per Square Inch:	346
Bulk Cable Weight:	8 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
CA Prop 65 (CJ for Wire & Cable):	Yes
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	UPC	Length
8074	None	612825194569	1 ft

## History

Update and Revision:	Revision Number: 0.276 Revision Date: 08-22-2019
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