



**Part Number:** 8083

Magnet Wire, #34 Sol BC, Polyester/Amide-imide Polymer Ins, CLASS 200

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**Product Description**

Magnet Wire, 34AWG (Solid) Bare Copper, Polyester/Amide-imide Polymer Insulation, CLASS 200

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

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

Conductor Count:	1
Conductor Size:	34 AWG

**Insulation**

Material	Nominal Diameter
Polyester	0.0078 in
Polyester-Imide or Polyester-Amide-Imide Overcoated w/Polyamide-Imide	

**Outer Jacket Material**

Material	Max. Diameter
No Jacket	0.0078 mm

**Construction and Dimensions**

Min Increase in OD:	0.001 in
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**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
261.3 Ohm/1000ft

**Current**

Max. Recommended Current [A]
.057 A

**Voltage**

Breakdown Voltage
2975 volts minimum at room temperature

**Temperature Range**

Non-UL Temp Rating:	200°C
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**Mechanical Characteristics**

Approximate Length:	7860 ft
Turns Per Linear Inch:	133.1
Turns Per Square Inch:	17716

Bulk Cable Weight:	0.13 lbs/1000ft
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## 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, LS0H, 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
8083	None	612825194644	1 ft

## History

Update and Revision:	Revision Number: 0.274 Revision Date: 07-11-2019
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