



**Product:** [8056](#)

Magnet Wire, #32 Sol BC, PUR/NYL Ins

[Request Sample](#)

**Product Description**

Magnet Wire, 32AWG (Solid) Bare Copper, PUR/NYL Insulation, J-W-1177/9 MW 28-C

**Technical Specifications**

**Product Overview**

Suitable Applications:	solderable magnet wire
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**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	Nominal Diameter	No. of Conductors
32	Solid	BC - Bare Copper	0.008 in	1

Conductor Count:	1
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**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
PUR/Nylon - Polyurethane + Nylon	0.0091 in	0.001 in

**Outer Jacket Material**

<b>Max. Diameter</b>
0.0091 mm

**Construction and Dimensions**

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

**Conductor DCR**

<b>Nominal Conductor DCR</b>
162 Ohm/1000ft

**Current**

<b>Max. Recommended Current [A]</b>
Single conductor in free air @ 30°C: 0.091 A

**Voltage**

<b>Breakdown Voltage</b>
1675 V Minimum (at Room Temperature)

**Temperature Range**

Non-UL Temp Rating:	130°C
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**Mechanical Characteristics**

Approximate Length:	2515 ft
Turns Per Linear Inch:	114

Turns Per Square Inch:	12996
Bulk Cable Weight:	0.2 lbs/1000ft

## Standards

Military Compliance:	J-W-1177/9
Other Compliance:	NEMA-MW28-C (Single)

## 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:	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	Putup Type	Length	UPC
8056	None	Reel	1 ft	612825194521

## History

Update and Revision:	Revision Number: 0.312 Revision Date: 07-26-2020
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