



**Part Number: 8085**

Magnet Wire, (1) 38 AWG Solid BC, Heavy-Armored Poly-Thermaleze

[Request Sample](#)

## Product Description

One 38 AWG solid bare copper conductor, heavy-armored poly-thermaleze insulation.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	1
Conductor Size:	38 AWG

#### Insulation

Material	Nominal Diameter
Polyester	0.0051 in

#### Outer Jacket Material

Material	Max. Diameter
No Jacket	0.0051 mm

### Construction and Dimensions

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

#### Conductor DCR

Nominal Conductor DCR
648.2 Ohm/1000ft

Shielding:	Unshielded
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#### Current

Max. Recommended Current [A]
.023 A

#### Voltage

Breakdown Voltage
2150 volts minimum at room temperature

### Temperature Range

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

Approximate Length:	19300 ft
Turns Per Linear Inch:	206
Turns Per Square Inch:	42436
Bulk Cable Weight:	0.052 lbs/1000ft

## Standards

UL AWM Style:	N/A
Military Specification:	J-W-1177/43
Other Specification:	NEMA-MW-74-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
8085	None

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