



**Part Number:** 8081

Magnet Wire, (1) 30 AWG Solid BC, Heavy-Armored Poly-Thermaleze

## Product Description

One 30 AWG solid bare copper conductor, heavy-armored poly-thermaleze insulation.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

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

Conductor Count:	1
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#### Insulation

Material	Nominal Diameter
Polyester	0.0119 in
Polyester-Imide or Polyester-Amide-Imide Overcoated w/Polyamide-Imide	

#### Outer Jacket Material

Max. Diameter
0.0119 mm

### Construction and Dimensions

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

#### Conductor DCR

Nominal Conductor DCR
103.7 Ohm/1000ft

#### Current

Max. Recommended Current [A]
.14 A

#### Voltage

Breakdown Voltage
4150 volts minimum at room temperature. kV

### Temperature Range

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

Approximate Length:	3140 m
Turns Per Linear Inch:	86.2
Turns Per Square Inch:	7430

Bulk Cable Weight:	0.32 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

### Part Number

Plenum (Y/N):	No
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### Variants

Item #	Color
8081	NONE

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