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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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#### Part Number: 8081

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

## Request Sample

#### **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 Conductor Size: 30 AWG

#### Insulation

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

#### **Outer Jacket Material**

Material	Max. Diameter
No Jacket	0.0119 mm

#### **Construction and Dimensions**

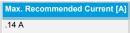
Min Increase in OD:	0.001 in
Electrical Characteristics	

Unshielded

#### Electrical Characterist

## Conductor DCR Nominal Conductor DCR 103.7 Ohm/1000ft Shielding:

Current



#### Voltage

Breakdown Voltage	
	4150 volts minimum at room temperature

#### **Temperature Range**

Non-UL Temp Rating:	200°C

#### **Mechanical Characteristics**

Approximate Length:	3140 ft
Turns Per Linear Inch:	86.2
Turns Per Square Inch:	7430
Bulk Cable Weight:	0.32 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, LS0H, Toxicity Testing

UL voltage rating:	N/A
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#### Plenum/Non-Plenum

Plenum (Y/N):	No

#### **Part Number**

#### Variants



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