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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!



# Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China











Part Number: 8051

Magnet Wire, (1) 22 AWG Solid BC, PUR-NYL

## Request Sample

# **Product Description**

One 22 AWG solid bare copper conductor, polyurethane/nylon insulation.

# **Technical Specifications**

# **Physical Characteristics (Overall)**

# Conductor AWG Stranding Material No. of Conductors 22 Solid BC - Bare Copper 1 Conductor Count: 1 Conductor Size: 22 AWG

### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PUR/Nylon - Polyurethane/Nylon	0.0270 in	0.001 in

#### Outer Jacket Material

Material	Max. Diameter
No Jacket	0.027 mm

# **Construction and Dimensions**

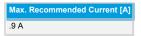
Min Increase in OD:	0.001 in

# **Electrical Characteristics**

# Conductor DCR



## Current



# Voltage

Breakdown Voltage	
2575 volts minimum at room temperature	

# **Temperature Range**

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

Approximate Length:	254 ft
Turns Per Linear Inch:	37.5
Turns Per Square Inch:	1406
Bulk Cable Weight:	2 lbs/1000ft

### **Standards**

UL AWM Style:	N/A
Military Specification:	J-W-1177/9
Other Specification:	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 (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



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