



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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: 8049

Magnet Wire, (1) 18 AWG Solid BC, PUR-NYL

[Request Sample](#)

Product Description

One 18 AWG solid bare copper conductor, polyurethane/nylon insulation.

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	1
Conductor Size:	18 AWG

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PUR/Nylon - Polyurethane/Nylon	0.0424 in	0.001 in

Outer Jacket Material

Material	Max. Diameter
No Jacket	0.0424 mm

Construction and Dimensions

Min Increase in OD:	0.001 in
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Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	
6.4 Ohm/1000ft	
Shielding:	Unshielded

Current

Max. Recommended Current [A]
2.3 A

Voltage

Breakdown Voltage
2850 volts minimum at room temperature

Temperature Range

Non-UL Temp Rating:	130°C
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Mechanical Characteristics

Approximate Length:	100 ft
Turns Per Linear Inch:	23.9
Turns Per Square Inch:	571
Bulk Cable Weight:	5 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, 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
8049	None

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