



Part Number: 8049

Magnet Wire, #18 Sol BC, PUR/NYL Ins, J-W-1177/9 MW 28-C

[Request Sample](#)

Product Description

Magnet Wire, 18AWG (Solid) Bare Copper, PUR/NYL Insulation, J-W-1177/9 MW 28-C

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

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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