



Part Number: 8051

Magnet Wire, #22 Sol BC, PUR/NYL Ins, J-W-1177/9 MW 28-C

# **Product Description**

Magnet Wire, 22AWG (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
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**

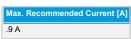
Min Increase in OD:	0.001 in

# **Electrical Characteristics**

# Conductor DCR

Nominal Conductor DCR 16.2 Ohm/1000ft

## Current



# Voltage

Breakdown Voltage	
2575 volts minimum at room temperature	Э

# **Temperature Range**

Non-UL Temp Rating:	130°C

## **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

#### **Part Number**

#### Variants



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