



**Product:** <u>8050</u> ☑

Magnet Wire, #20 Sol BC, PUR/NYL Ins

# Request Sample

# **Product Description**

Magnet Wire, 20AWG (Solid) Bare Copper, PUR/NYL Insulation, J-W-1177/9 MW 28-C

## **Technical Specifications**

## **Product Overview**

	Suitable Applications:	solderable magnet wire
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# **Physical Characteristics (Overall)**

#### Conductor

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

### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PUR/Nylon - Polyurethane + Nylon	0.0339 in	0.001 in

#### **Outer Jacket Material**

Max. Diameter 0.0339 mm

## **Construction and Dimensions**

Min Increase in OD: 0.001 in

# **Electrical Characteristics**

# Conductor DCR

Nominal Conductor DCR 10.1 Ohm/1000ft

#### Current

Max. Recommended Current [A]
Single conductor in free air @ 30°C: 1.5 A

#### Voltage

Breakdown Voltage
2700 V Minimum (at Room Temperature)

# **Temperature Range**

Non-UL Temp Rating:	130°C

### **Mechanical Characteristics**

Approximate Length:	160 ft
Turns Per Linear Inch:	29.9

Turns Per Square Inch:	894
Bulk Cable Weight:	3.1 lbs/1000ft

### **Standards**

Military Compliance:	J-W-1177/9
Other Compliance:	NEMA-MW28-C (Single)

## **Applicable Environmental and Other Programs**

Yes
Yes
Yes
Yes
Yes
EU Directive 2003/11/EC (BFR)
Yes
2004-01-01
Yes
Yes

## Flammability, LS0H, Toxicity Testing

UL voltage rating:	N/A

### Plenum/Non-Plenum

Plenum (Y/N):	No

### **Part Number**

#### Variants

Item #	Color	Putup Type	Length	UPC
8050	None	Reel	1 ft	612825194460

## **History**

Update and Revision:	Revision Number: 0.310 Revision Date: 07-26-2020
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