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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!



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Part Number: 8077

Magnet Wire, (1) 22 AWG Solid BC, Heavy-Armored Poly-Thermaleze

## Request Sample

## **Product Description**

One 22 AWG solid bare copper conductor, heavy-armored poly-thermaleze insulation.

# **Technical Specifications**

# **Physical Characteristics (Overall)**

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

#### Insulation

Material	Nominal Diameter
Polyester	0.0281 in
Polyester-Imide or Polyester-Amide-Imide Overcoated w/Polyamide-Imide	

#### Outer Jacket Material

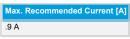
Material	Max. Diameter
No Jacket	0.0281 mm

## **Construction and Dimensions**

Min Increase in OD:	0.002 in	
<b>Electrical Characteristics</b>		
Conductor DCR		

16.2 Ohm/1000ft Shielding: Unshielded

# Current



#### Voltage

Breakdown Voltage 5125 volts minimum at room temperature

## **Temperature Range**

Operating Temp Range:	200°C

# **Mechanical Characteristics**

Approximate Length:	501 ft
Turns Per Linear Inch:	36
Turns Per Square Inch:	1296
Bulk Cable Weight:	2 lbs/1000ft

#### **Standards**

UL AWM Style:	N/A
Military Specification:	J-W-1177/14
Other Specification:	NEMA-MW-35-C (Heavy)

#### **Applicable Environmental and Other Programs**

EU Directive 2000/53/EC (ELV):	Yes
FU Directive 2002/06/FC (DFD):	Yes
EU Directive 2003/96/EC (BFR):	res
EU Directive 2011/65/EU (ROHS II):	Yes
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EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EO DIRECTIVE 2013/003/EO.	103
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
FILOS Mada	V
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2004-01-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #20 (China Bal IC)	Van
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

Item #	Color
8077	None

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