



Part Number: 8075

Magnet Wire, (1) 18 AWG Solid BC, Heavy-Armored Poly-Thermaleze

[Request Sample](#)

Product Description

One 18 AWG solid bare copper conductor, heavy-armored poly-thermaleze 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
Polyester	0.0437 in
Polyester-Imide or Polyester-Amide-Imide Overcoated w/Polyamide-Imide	

Outer Jacket Material

Material	Max. Diameter
No Jacket	0.0437 mm

Construction and Dimensions

Min Increase in OD:	0.003 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
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Voltage

Breakdown Voltage	5700 volts minimum at room temperature
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Temperature Range

Operating Temp Range:	200°C
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Mechanical Characteristics

Approximate Length:	199 ft
Turns Per Linear Inch:	23.2
Turns Per Square Inch:	538
Bulk Cable Weight:	5 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
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
8075	None

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