

Product: 8075

Magnet Wire, #18 Sol BC, Polyester/Amide-imide Polymer Ins

Request Sample

Product Description

Magnet Wire, 18AWG (Solid) Bare Copper, Polyester/Amide-imide Polymer Insulation, CLASS 200 MW 35-C

Technical Specifications

Product Overview

Suitable Applications:	class 200 magnet wire

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
18	Solid	BC - Bare Copper	1

Conductor Count:	1

Insulation

Material	Nominal Diameter	Nominal Wall Thickness
Polyester	0.0437 in	0.003 in

Outer Jacket

Max. Diameter
0.0437 mm

Construction and Dimensions

Min Increase in OD:	0.003 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.4 Ohm/1000ft

Current

Max. Recommended Current [A]
Single conductor in free air @ 30°C: 2.3 A

Voltage

Breakdown Voltage
5700 V Minimum (at Room Temperature)

Temperature Range

Operating Temperature Range:	200°C

Mechanical Characteristics

Approximate Length:	199 ft
Turns Per Linear Inch:	23.2

Turns Per Square Inch:	538
Bulk Cable Weight:	5 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.18 in

Standards

Military Compliance:	J-W-1177/14

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
CA Prop 65:	Yes
MII Order #39 (China RoHS):	Yes

Flammability, LS0H, Toxicity Testing

UL voltage rating:	N/A

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

Variants

Item #	Color	Put-Up Type	Length	UPC
8075	None	Reel	1 ft	612825194576

History

Update and Revision:	Revision Number: 0.380 Revision Date: 05-05-2023

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