



# Product: <u>8049</u>

Magnet Wire, #18 Sol BC, PUR/NYL Ins

😭 Request Sample

# **Product Description**

Magnet Wire, 18AWG (Solid) Bare Copper, PUR/NYL Insulation, J-W-1177/9 MW 28-C

## **Technical Specifications**

## Product Overview

Turns Per Linear Inch:

FIU		view				
Suitable Applications:				solderable magnet wire		
Phys	sical Char	acteristics (	Overall)			
Condu	inter					
AWG		Material	No. of Co	nducto	ors	
18	Solid	BC - Bare Copp		nauon		
Cond	uctor Count:	1		1		
Insula	tion					
	Mater	rial	Nominal Dia	meter	Nominal Wall Thickness	
PUR/	Nylon - Polyu	rethane + Nylon	0.0424 in		0.001 in	
Outer	Jacket					
	Diameter					
0.042	4 mm					
Cons	struction	and Dimensi	ions			
Min Ir	ncrease in OE	D:		0.001	in	
Elect	trical Cha	racteristics				
	ictor DCR					
	hm/1000ft	or DCR				
0.4 0						
Currei	nt					
		ended Current [				
Single	e conductor ir	n free air @ 30ºC:	2.3 A			
Voltag	e					
	Breakdo	wn Voltage				
2850	V Minimum (a	at Room Tempera	ature)			
Tem	perature F	Range				
Non-l	JL Temp Rati	ing:		130°C	2	
Mecl	nanical Cl	haracteristic	S			
Appro	oximate Lengt	th:		100 ft		

23.9

Turns Per Square Inch:	571
Bulk Cable Weight:	5 lbs/1000ft
Min. Bend Radius/Minor Axis:	0.17 in

#### **Standards**

Military Compliance:	J-W-1177/9

## **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
8049	None	Reel	1 ft	612825194453

### **History**

pdate and Revision:	Revision Number: 0.381 Revision Date: 05-05-2023
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