



Product: [8052](#) 

Magnet Wire, #24 Sol BC, PUR/NYL Ins

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Product Description

Magnet Wire, 24AWG (Solid) Bare Copper, PUR/NYL Insulation

Technical Specifications

Product Overview

Suitable Applications:	solderable magnet wire
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Construction Details

Conductor

Size	Stranding	Material
24 AWG	Solid	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PUR/Nylon - Polyurethane + Nylon	0.001 in (0.025 mm)	0.0217 in (0.551 mm)

Overall Cable Diameter (Nominal):	0.022 in (0.56 mm)
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
25.7 Ohm/1000ft (84.3 Ohm/km)	Single conductor in free air @ 30°C: 0.6 A

Voltage

Breakdown Voltage
2425 V Minimum (at Room Temperature)

Mechanical Characteristics

Bend Radius

Stationary Min.	Installation Min.
0.5 in (13 mm)	0.5 in (13 mm)

Max. Pull Tension:	5.1 lbs (2.3 kg)
Bulk Cable Weight:	1.24 lbs/1000ft (1.85 kg/km)

Standards and Compliance

Sustainability:	CA Prop 65
CEC / C(UL) Compliance:	.
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

History

Update and Revision:	Revision Number: 0.613 Revision Date: 07-23-2026
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8052	None	Reel	1 ft	612825194484

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