



**Product:** [8078](#) 

Magnet Wire, #24 Sol BC, Polyester/Amide-imide Polymer Ins

 [Request Sample](#)

## Product Description

Magnet Wire, 24AWG (Solid) Bare Copper, Polyester/Amide-imide Polymer Insulation, CLASS 200 MW 35-C

## Technical Specifications

### Product Overview

Suitable Applications:	class 200 magnet wire
------------------------	-----------------------

### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	1	24 AWG	Solid	BC - Bare Copper

#### Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
Polyester	0.002 in (0.051 mm)	0.0227 in (0.577 mm)

Overall Cable Diameter (Nominal):	0.023 in (0.58 mm)
-----------------------------------	--------------------

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR
26.2 Ohm/1000ft (86.0 Ohm/km)

#### Voltage

Breakdown Voltage
4850 V Minimum (at Room Temperature)

### Mechanical Characteristics

#### Temperature

Operating
200°C

#### Bend Radius

Stationary Min.	Installation Min.
0.91 in (23 mm)	0.91 in (23 mm)

Max. Pull Tension:	5.1 lbs (2.3 kg)
Bulk Cable Weight:	1.26 lbs/1000ft (1.88 kg/km)

### Standards and Compliance

Sustainability:	CA Prop 65
Military Compliance:	J-W-1177/14
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: 0.563 Revision Date: 09-07-2025
----------------------	--------------------------------------------------

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8078	None	Reel	1 ft	612825194606

© 2026 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.