Belden



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

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