Belden



Product: 8076

Magnet Wire, #20 Sol BC, Polyester/Amide-imide Polymer Ins

Request Sample

Product Description

Magnet Wire, 20AWG (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	20	Solid	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
Polyester	0.002 in (0.051 mm)	0.0351 in (0.892 mm)

Overall Cable Diameter (Nominal):	0.035 in (0.89 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
10.1 Ohm/1000ft	Single conductor in free air @ 30ºC: 1.5 A

Voltage

Breakdown Voltage
5400 V Minimum (at Room Temperature)

Mechanical Characteristics

Temperature

Operating
200°C

Bend Radius

Stationary Min.	Installation Min.
0.14 in (3.6 mm)	0.14 in (3.6 mm)

Max. Pull Tension:	12.4 lbs (5.62 kg)
Bulk Cable Weight:	3.2 lbs/1000ft

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: 0.547 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC
8076	None	Reel	315 ft	612825194583

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