Belden



Product: 8050

Magnet Wire, #20 Sol BC, PUR/NYL Ins

Request Sample

Product Description

Magnet Wire, 20AWG (Solid) Bare Copper, PUR/NYL Insulation

Technical Specifications

Product Overview

Suitable Applications:	solderable magnet wire

Construction Details

Conductor

Size	Stranding	Material
20 AWG	Solid	BC - Bare Copper

Insulation

Material	Nom. Thickness	Nom. Insulation Diameter
PUR/Nylon - Polyurethane + Nylon	0.001 in (0.025 mm)	0.0339 in (0.861 mm)

Overall Cable Diameter (Nominal):	0.034 in (0.86 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
10.1 Ohm/1000ft (33.1 Ohm/km)	Single conductor in free air @ 30ºC: 1.5 A

Voltage

Breakdown Voltage
2700 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:	12.4 lbs (5.62 kg)
Bulk Cable Weight:	3.1 lbs/1000ft (4.6 kg/km)

Standards and Compliance

Sustainability:	CA Prop 65
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: 0.610 Revision Date: 07-23-2026

Part Numbers

Variants

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Item #	Color	Putup Type	Length	UPC
8050	None	Reel	1 ft	612825194460

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