

For more Information  
please call

1-800-Belden1



**Picture  
Not Available**

### Description:

Beldsol is a dual insulated Magnet Wire, combining excellent dielectric characteristics of polyurethane and toughness and solvent resistance of a nylon overcoat. Rated by IEEE tests for 270°F usage and will solder without insulation removal at 750°F.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
1	22	Solid	BC - Bare Copper

#### Insulation

Insulation Material:

Insulation Material
PUR/Nylon - Polyurethane/Nylon

Min. Increase in OD: 0.001 in.

#### Overall Cabling

Overall Maximum Diameter: .0270

### Mechanical Characteristics (Overall)

Non-UL Temperature Rating: 130°C

Bulk Cable Weight: 2 lbs/1000 ft.

Approximate Length: 254

Turns Per Linear Inch: 37.5

Turns Per Square Inch: 1406

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2000/53/EC (ELV): Yes

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 01/01/2004

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Military Specification: J-W-1177/9

MIL Spec Rating: Class 130, Type SUN, Single

NEMA Specification: NEMA-MW28-C (Single)

#### Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

**Nom. Conductor DC Resistance:**

<b>DCR @ 20°C (Ohm/1000 ft)</b>
16.200

**Max. Recommended Current:**

<b>Current</b>
.9 A

**Breakdown Voltage:** 2575 volts minimum at room temperature

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8051	1 EA	0.531 LB			#22 BELDSOL MAG WIRE

Revision Number: 2    Revision Date: 03-23-2010

© 2010 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 herein 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 "AS IS" 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 EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure 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. This 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.