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please call

1-800-Belden1



**Picture  
Not Available**

### General 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	18	Solid	BC - Bare Copper

Total Number of Conductors: 1

#### Insulation

##### Insulation Material:

Insulation Material
PUR/Nylon - Polyurethane/Nylon

Min. Increase in OD: 0.025 mm

#### Overall Cable

Overall Maximum Diameter: .0424

### Mechanical Characteristics (Overall)

Non-UL Temperature Rating: 130°C

Bulk Cable Weight: 7.441 Kg/Km

Approximate Length: 100

Turns Per Linear Inch: 23.9

Turns Per Square Inch: 571

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

EU Directive 2011/65/EU (ROHS II): Yes

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:**

DCR @ 20°C (Ohm/km)  
20.998

**Max. Recommended Current:**

Current  
2.3 A

Breakdown Voltage: 2850 volts minimum at room temperature

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8049	1 EA	0.531 LB			#18 BELDSOL MAG WIRE

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