

## 8081 Hook-up/Lead - Magnet Wire

For more Information  
please call

1-800-Belden1



**Picture  
Not Available**

### General Description:

The Poly-Thermaleze® base coat is a cross-linked, modified polyester. Its top coat is an amide-imide polymer. Rated for 200°C usage, Belden heavy-armored Poly-Thermaleze has exceptional ability to resist solvents and abuse in difficult windings.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Conductors	AWG	Stranding	Conductor Material
1	30	Solid	BC - Bare Copper

Total Number of Conductors: 1

#### Insulation

##### Insulation Material:

Insulation Material
Polyester
Polyester-Imide or Polyester-Amide-Imide Overcoated w/Polyamide-Imide

Min. Increase in OD: 0.001 in.

#### Overall Cable

Overall Maximum Diameter: .0119

### Mechanical Characteristics (Overall)

Non-UL Temperature Rating:	200°C
Bulk Cable Weight:	0.320 lbs/1000 ft.
Approximate Length:	3140
Turns Per Linear Inch:	86.2
Turns Per Square Inch:	7430

### 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-1177/14
MIL Spec Rating:	Class 200, Type K2 (Heavy)
NEMA Specification:	NEMA-MW-35-C (Heavy)

## Plenum/Non-Plenum

Plenum (Y/N): No

## Electrical Characteristics (Overall)

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

103.700

### Max. Recommended Current:

Current

.14 A

Breakdown Voltage: 4150 volts minimum at room temperature.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
8081	1 EA	1.031 LB			#30 HVY ARM PT MAG WIRE

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