

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            | 38  | Solid     | BC - Bare Copper   |

Total Number of Conductors: 1

#### Insulation

##### Insulation Material:

| Insulation Material |
|---------------------|
| Polyester           |

Min. Increase in OD: 0.025 mm

#### Overall Cable

Overall Maximum Diameter: .0051

### Mechanical Characteristics (Overall)

Non-UL Temperature Rating: 200°C

Bulk Cable Weight: 0.077 Kg/Km

Approximate Length: 19300

Turns Per Linear Inch: 206.0

Turns Per Square Inch: 42436

### 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-1177/43

MIL Spec Rating: Class 200, Type PEAI (Heavy)

NEMA Specification: NEMA-MW-74-C (Heavy)

**Plenum/Non-Plenum**

Plenum (Y/N): No

**Electrical Characteristics (Overall)**

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)  
2126.744

**Max. Recommended Current:**

Current  
.023 A

Breakdown Voltage: 2150 volts minimum at room temperature.

**Put Ups and Colors:**

| Item # | Putup | Ship Weight | Color | Notes | Item Desc               |
|--------|-------|-------------|-------|-------|-------------------------|
| 8085   | 1 EA  | 1.031 LB    |       |       | #38 HVY ARM PT MAG WIRE |

Revision Number: 2    Revision Date: 01-21-2013

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