

**Part Number:** 8077

Magnet Wire, (1) 22 AWG Solid BC, Heavy-Armored Poly-Thermaleze

**Picture  
Not Available**

## Product Description

One 22 AWG solid bare copper conductor, heavy-armored poly-thermaleze insulation.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

| AWG                                | Stranding | Material         | No. of Conductors |
|------------------------------------|-----------|------------------|-------------------|
| 22                                 | Solid     | BC - Bare Copper | 1                 |
| <b>Total Number of Conductors:</b> |           |                  | 1                 |

#### Insulation:

| Material  |          |
|---|----------|
| Polyester   |          |
| Polyester-Imide or Polyester-Amide-Imide Overcoated w/Polyamide-Imide |          |
| <b>Min Increase in OD:</b>  | 0.002 in |

#### Outerjacket 1:

| Max. Diameter |
|---------------|
| 0.0281 mm     |

### Electrical Characteristics

#### Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 16.2 Ohm/1000ft       |

## Current:

### Max. Recommended Current [A]

9 A

## Voltage:

### Breakdown Voltage

5125 volts minimum at room temperature.

## Use

|                        |       |
|------------------------|-------|
| Approximate Length:    | 501 m |
| Turns Per Linear Inch: | 36    |
| Turns Per Square Inch: | 1296  |

## Safety

### Temperature Range

|                       |       |
|-----------------------|-------|
| Operating Temp Range: | 200°C |
|-----------------------|-------|

## Mechanical Characteristics

### Part Number

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## Standards

|                                   |                                  |
|-----------------------------------|----------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | CA Prop 65 (CJ for Wire & Cable) |
| MII Order #39 (China RoHS):       | MII Order #39 (China RoHS)       |
| MIL Spec Rating:                  | MIL Spec Rating                  |
| Military Specification:           | Military Specification           |
| NEMA Specification:               | NEMA Specification               |
| EU Directive Compliance:          | EU Directive 2003/11/EC (BFR)    |

## History

### Product Variants

| Part Number | Color | Put-Up Type | Length |
|-------------|-------|-------------|--------|
| 8077        | NONE  | Reel        | 1 ft   |

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