



**Product:** [8076](#)

Magnet Wire, #20 Sol BC, Polyester/Amide-imide Polymer Ins

[Request Sample](#)

### Product Description

Magnet Wire, 20AWG (Solid) Bare Copper, Polyester/Amide-imide Polymer Insulation, CLASS 200 MW 35-C

### Technical Specifications

#### Product Overview

|                        |                       |
|------------------------|-----------------------|
| Suitable Applications: | class 200 magnet wire |
|------------------------|-----------------------|

#### Construction Details

##### Conductor

| Element      | No. of Elements | Size | Stranding | Material         |
|--------------|-----------------|------|-----------|------------------|
| Conductor(s) | 1               | 20   | Solid     | BC - Bare Copper |

##### Insulation

| Material  | Nom. Thickness      | Nom. Insulation Diameter |
|-----------|---------------------|--------------------------|
| Polyester | 0.002 in (0.051 mm) | 0.0351 in (0.892 mm)     |

|                                   |                    |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.035 in (0.89 mm) |
|-----------------------------------|--------------------|

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Max. Current                               |
|--------------------|--|
| 10.1 Ohm/1000ft    | Single conductor in free air @ 30°C: 1.5 A |

##### Voltage

| Breakdown Voltage                    |
|--------------------------------------|
| 5400 V Minimum (at Room Temperature) |

#### Mechanical Characteristics

##### Temperature

| Operating |
|-----------|
| 200°C     |

##### Bend Radius

| Stationary Min.  | Installation Min. |
|------------------|-------------------|
| 0.14 in (3.6 mm) | 0.14 in (3.6 mm)  |

|                    |                    |
|--------------------|--------------------|
| Max. Pull Tension: | 12.4 lbs (5.62 kg) |
| Bulk Cable Weight: | 3.2 lbs/1000ft     |

#### Standards and Compliance

|                                |   |
|--------------------------------|---|
| Sustainability:                | CA Prop 65  |
| Military Compliance:           | J-W-1177/14   |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |

## History

Update and Revision: Revision Number: 0.471 Revision Date: 01-20-2023

## Part Numbers

### Variants

| Item # | Color | Putup Type | Length | UPC          |
|--------|-------|------------|--------|--------------|
| 8076   | None  | Reel       | 1 ft   | 612825194583 |

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