



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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