



Part Number: 8073

Magnet Wire, #14 Sol BC, Polyester/Amide-imide Polymer Ins, CLASS 200

[Request Sample](#)

Product Description

Magnet Wire, 14AWG (Solid) Bare Copper, Polyester/Amide-imide Polymer Insulation, CLASS 200

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 14 | Solid | BC - Bare Copper | 1 |

| | |
|------------------|--------|
| Conductor Count: | 1 |
| Conductor Size: | 14 AWG |

Insulation

| Material | Nominal Diameter |
|---|------------------|
| Polyester | 0.0682 in |
| Polyester-Imide or Polyester-Amide-Imide Overcoated w/Polyamide-Imide | |

Outer Jacket Material

| Material | Max. Diameter |
|-----------|---------------|
| No Jacket | 0.0682 mm |

Construction and Dimensions

| | |
|---------------------|----------|
| Min Increase in OD: | 0.003 in |
|---------------------|----------|

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 2.5 Ohm/1000ft |

Current

| Max. Recommended Current [A] |
|------------------------------|
| 5.9 A |

Voltage

| Breakdown Voltage |
|--|
| 6325 volts minimum at room temperature |

Temperature Range

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

Mechanical Characteristics

| | |
|------------------------|-------|
| Approximate Length: | 80 ft |
| Turns Per Linear Inch: | 14.9 |
| Turns Per Square Inch: | 222 |

| | |
|--------------------|-----------------|
| Bulk Cable Weight: | 12.5 lbs/1000ft |
|--------------------|-----------------|

Standards

| | |
|-------------------------|----------------------|
| UL AWM Style: | N/A |
| Military Specification: | J-W-1177/14 |
| Other Specification: | NEMA-MW-35-C (Heavy) |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU: | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|-----|
| UL voltage rating: | N/A |
|--------------------|-----|

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | UPC | Length |
|--------|-------|--------------|--------|
| 8073 | None | 612825194552 | 1 ft |

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