



Part Number: 8056

Magnet Wire, #32 Sol BC, PUR/NYL Ins, J-W-1177/9 MW 28-C

[Request Sample](#)

Product Description

Magnet Wire, 32AWG (Solid) Bare Copper, PUR/NYL Insulation, J-W-1177/9 MW 28-C

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Conductors |
|-----|-----------|------------------|------------------|-------------------|
| 32 | Solid | BC - Bare Copper | 0.008 in | 1 |

| | |
|------------------|---|
| Conductor Count: | 1 |
|------------------|---|

Insulation

| Material | Nominal Diameter |
|--------------------------------|------------------|
| PUR/Nylon - Polyurethane/Nylon | 0.0091 in |

Outer Jacket Material

| Material | Max. Diameter |
|-----------|---------------|
| No Jacket | 0.0091 mm |

Construction and Dimensions

| | |
|---------------------|----------|
| Min Increase in OD: | 0.001 in |
|---------------------|----------|

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 162 Ohm/1000ft |

Current

| Max. Recommended Current [A] |
|------------------------------|
| .091 A |

Voltage

| Breakdown Voltage |
|--|
| 1675 volts minimum at room temperature |

Temperature Range

| | |
|---------------------|-------|
| Non-UL Temp Rating: | 130°C |
|---------------------|-------|

Mechanical Characteristics

| | |
|------------------------|----------------|
| Approximate Length: | 2515 ft |
| Turns Per Linear Inch: | 114 |
| Turns Per Square Inch: | 12996 |
| Bulk Cable Weight: | 0.2 lbs/1000ft |

Standards

| | |
|-------------------------|----------------------|
| UL AWM Style: | N/A |
| Military Specification: | J-W-1177/9 |
| Other Specification: | NEMA-MW28-C (Single) |

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, LSOH, Toxicity Testing

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

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | UPC | Length |
|--------|-------|--------------|--------|
| 8056 | None | 612825194521 | 1 ft |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.276 Revision Date: 08-22-2019 |
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