



Part Number: 8054

Magnet Wire, (1) 28 AWG Solid BC, PUR-NYL

Product Description

One 28 AWG solid bare copper conductor, polyurethane/nylon insulation.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 28 | Solid | BC - Bare Copper | 1 |

Conductor Count: 1

Insulation

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------------|------------------|------------------------|
| PUR/Nylon - Polyurethane/Nylon | 0.0140 in | 0.001 in |

Outer Jacket Material

| Max. Diameter |
|---------------|
| 0.014 mm |

Construction and Dimensions

Min Increase in OD: 0.001 in

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 65.3 Ohm/1000ft |

Current

| Max. Recommended Current [A] |
|------------------------------|
| .23 A |

Voltage

| Breakdown Voltage |
|--|
| 2175 volts minimum at room temperature. kV |

Temperature Range

Non-UL Temp Rating: 130°C

Mechanical Characteristics

| | |
|------------------------|----------------|
| Approximate Length: | 1020 m |
| Turns Per Linear Inch: | 73.8 |
| Turns Per Square Inch: | 5446 |
| Bulk Cable Weight: | 0.5 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 |

Part Number

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

Variants

| Item # | Color |
|--------|-------|
| 8054 | NONE |

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