



Part Number: 8077

Magnet Wire, (1) 22 AWG Solid BC, Heavy-Armored Poly-Thermaleze

Product Description

One 22 AWG solid bare copper conductor, heavy-armored poly-thermaleze insulation.

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|------------------|-------------------|
| 22 | Solid | BC - Bare Copper | 1 |

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

Insulation

| Material | Nominal Diameter |
|---|------------------|
| Polyester | 0.0281 in |
| Polyester-Imide or Polyester-Amide-Imide Overcoated w/Polyamide-Imide | |

Outer Jacket Material

| Max. Diameter |
|---------------|
| 0.0281 mm |

Construction and Dimensions

| | |
|---------------------|----------|
| Min Increase in OD: | 0.002 in |
|---------------------|----------|

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 16.2 Ohm/1000ft |

Current

| Max. Recommended Current [A] |
|------------------------------|
| .9 A |

Voltage

| Breakdown Voltage |
|--|
| 5125 volts minimum at room temperature. kV |

Temperature Range

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

Mechanical Characteristics

| | |
|------------------------|-------|
| Approximate Length: | 501 m |
| Turns Per Linear Inch: | 36 |
| Turns Per Square Inch: | 1296 |

| | |
|--------------------|--------------|
| Bulk Cable Weight: | 2 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 |

Part Number

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

Variants

| Item # | Color |
|--------|-------|
| 8077 | NONE |

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