

Remington Industries is proud to offer our Polyurethane-Enameled Copper Magnet Wire. Simple but vital to many applications, magnet wire is copper wire with a thin layer of insulation which protects the coiled wire from short-circuiting. With its easy solderability, high thermal resistance, and attractive enameled sheen, magnet wire finds use in a large variety of applications including transformers, wound coils, motors, relays, solenoids, Tesla coils, clock/watch coils, instruments/guitar pickups, and arts & crafts. The raw copper in our magnet wire is drawn to meet specific size requirements based on standards created by the National Electrical Manufacturers Association (NEMA). The magnet wire as a whole additionally meets the NEMA MW 79-C or MW 80-C standard for operating temperature (155°C / 311°F) and insulation makeup (see below). This magnet wire is available in a great selection of gauges (from 14 to 44 AWG) to best fulfill the requirements for your application. It is also available in bold red or sleek natural coloring (see availability by AWG below), as well as numerous spool sizes (see below) for your convenience.

- Type: Enameled Copper Magnet Wire
- Conductor Material: Solid, Bare Copper
- Insulation Material: Solderable Polyurethane
 - 14 to 32 AWG: with Polyamide Overcoat
- Wire Build: Min-Nom, Single or Heavy
- NEMA Specification: MW 80-C (14 to 32 AWG) or MW 79-C (33 to 44 AWG)
- Temperature Rating: 155°C (311°F)
- Colors Available: Red or Natural (see availability by AWG below)
- Spool Sizes Available: 2 oz, 4 oz, 8 oz, 1.0 lb, 2.5 lb, 5.0 lb, 10 lb (see individual listings for length)
- Also available in pre-built kits (choose multiple wire gauges / spool sizes)

| 14 AWG TO 30 AWG | | | | |
|------------------|------------|------------|------------------|------------------|
| PART NUMBER | WIRE GAUGE | WIRE BUILD | OVERALL DIAMETER | AVAILABLE COLORS |
| 14SNS | 14 AWG | Single | 0.0659" | Red |
| 14HNS | 14 AWG | Heavy | 0.0675" | Red |
| 15SNS | 15 AWG | Single | 0.0587" | Red |
| 15HNS | 15 AWG | Heavy | 0.0603" | Red |
| 16SNS | 16 AWG | Single | 0.0524" | Red |
| 16HNS | 16 AWG | Heavy | 0.0539" | Red |
| 17SNS | 17 AWG | Single | 0.0469" | Red |
| 17HNS | 17 AWG | Heavy | 0.0482" | Red |
| 18SNS | 18 AWG | Single | 0.0418" | Red |
| 18HNS | 18 AWG | Heavy | 0.0431" | Red |
| 19SNS | 19 AWG | Single | 0.0373" | Red |
| 19HNS | 19 AWG | Heavy | 0.0386" | Red |
| 20SNS | 20 AWG | Single | 0.0335" | Red |
| 20HNS | 20 AWG | Heavy | 0.0346" | Red |
| 21SNS | 21 AWG | Single | 0.0299" | Red |
| 21HNS | 21 AWG | Heavy | 0.0310" | Red |
| 22SNS | 22 AWG | Single | 0.0266" | Red |
| 22HNS | 22 AWG | Heavy | 0.0276" | Red |
| 23SNS | 23 AWG | Single | 0.0239" | Red |
| 23HNS | 23 AWG | Heavy | 0.0249" | Red |
| 24SNS | 24 AWG | Single | 0.0213" | Red |
| 24HNS | 24 AWG | Heavy | 0.0223" | Red |
| 25SNS | 25 AWG | Single | 0.0190" | Red |
| 25HNS | 25 AWG | Heavy | 0.0199" | Red |
| 26SNS | 26 AWG | Single | 0.0170" | Red |
| 26HNS | 26 AWG | Heavy | 0.0178" | Red |
| 27SNS | 27 AWG | Single | 0.0153" | Red |
| 27HNS | 27 AWG | Heavy | 0.0161" | Red |
| 28SNS | 28 AWG | Single | 0.0137" | Red |
| 28HNS | 28 AWG | Heavy | 0.0144" | Red |
| 29SNS | 29 AWG | Single | 0.0123" | Red |
| 29HNS | 29 AWG | Heavy | 0.0130" | Red |
| 30SNS | 30 AWG | Single | 0.0109" | Red |
| 30HNS | 30 AWG | Heavy | 0.0116" | Red |

| 31 AWG TO 44 AWG | | | | |
|------------------|------------|------------|------------------|------------------|
| PART NUMBER | WIRE GAUGE | WIRE BUILD | OVERALL DIAMETER | AVAILABLE COLORS |
| 31SNS | 31 AWG | Single | 0.0097" | Red |
| 31HNS | 31 AWG | Heavy | 0.0105" | Red |
| 32SNS | 32 AWG | Single | 0.0088" | Red |
| 32HNS | 32 AWG | Heavy | 0.0095" | Red |
| 33SNS | 33 AWG | Single | 0.0078" | Natural |
| 33HNS | 33 AWG | Heavy | 0.0085" | Red |
| 34SNS | 34 AWG | Single | 0.0070" | Natural |
| 34HNS | 34 AWG | Heavy | 0.0075" | Red |
| 35SNS | 35 AWG | Single | 0.0062" | Natural |
| 35HNS | 35 AWG | Heavy | 0.0067" | Red |
| 36SNS | 36 AWG | Single | 0.0056" | Natural |
| 36HNS | 36 AWG | Heavy | 0.0060" | Red |
| 37SNS | 37 AWG | Single | 0.0050" | Natural |
| 37HNS | 37 AWG | Heavy | 0.0055" | Natural |
| 38SNS | 38 AWG | Single | 0.0045" | Natural |
| 38HNS | 38 AWG | Heavy | 0.0049" | Natural |
| 39SNS | 39 AWG | Single | 0.0039" | Natural |
| 39HNS | 39 AWG | Heavy | 0.0043" | Red |
| 40SNS | 40 AWG | Single | 0.0035" | Natural |
| 40HNS | 40 AWG | Heavy | 0.0038" | Red |
| 41SNS | 41 AWG | Single | 0.0031" | Natural |
| 41HNS | 41 AWG | Heavy | 0.0034" | Red |
| 42SNS | 42 AWG | Single | 0.0028" | Natural or Red |
| 42HNS | 42 AWG | Heavy | 0.0030" | Natural |
| 42.5SNS | 42.5 AWG | Single | 0.0027" | Natural |
| 43SNS | 43 AWG | Single | 0.0025" | Natural or Red |
| 44SNS | 44 AWG | Single | 0.0023" | Natural |

Polyurethane-Enameled Copper Magnet Wire MW 79-C & MW 80-C Data Sheet

Remington Industries is proud to offer our Custom Wire Services

Our exclusive inventory of in-stock wire and ability to procure wire of all kinds makes us the perfect partner for wire purchasing and custom wire services. We are proud to provide essential, high quality wire for engineering projects, educational science projects, coil winding, and electronics applications.

- Some of our many wire services include the following:
- Wire Re-Packaging
 - Bifilar & Trifilar Windings
 - Wire Processing
 - Coil Winding
 - Wire Procurement Services

If you have any questions or need any information about our **Wire Services**, feel free to contact us! It only takes one call to get experienced assistance.

Contact us by phone:
(815) 385-1987

Contact us by email:
sales@remingtonindustries.com

8/15/22 | -3 | Corrected some diameters to match manufacturer specs | AG

6/4/21 | -2 | Updated available colors for 27HNS (formerly natural) | AG

7/17/20 | -1 | Added additional sizes of heavy gauge wire to tables | AG

DATE | ISS. | REVISION | BY

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