

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 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
 - MW 80-C: with Polyamide Overcoat
- Wire Build: Min-Nom, Single or Heavy
- NEMA Specification: MW 79-C or MW 80-C (depending on stock availability)
- 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"	Natural
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

2/10/25 | -5 | Updated NEMA specs to reference variation by availability | AG

11/21/22 | -4 | Updated available colors for 36HNS (formerly red) | AG

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

DATE | ISS. | REVISION | BY

Drawn by: AG 1/29/20
Drawing rev.: -5

Remington
Industries

3521 N. Chapel Hill Rd
Johnsburg, IL 60051 USA
remingtonindustries.com