POLYURETHANE MAGNET WIRE DATA SHEET - REMINGTON INDUSTRIES

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)

MW 80-C (14 AWG TO 32 AWG)

PART NUMBER	WIRE GAUGE	WIRE BUILD	OVERALL DIAMETER	AVAILABLE COLORS
14SNS	14 AWG	Single	0.0655"	Red
14HNS	14 AWG	Heavy	0.0675"	Red
15SNS	15 AWG	Single	0.0583"	Red
16SNS	16 AWG	Single	0.0520"	Red
16HNS	16 AWG	Heavy	0.0538"	Red
17SNS	17 AWG	Single	0.0469"	Red
18SNS	18 AWG	Single	0.0415"	Red
18HNS	18 AWG	Heavy	0.0431"	Red
19SNS	19 AWG	Single	0.0370"	Red
20SNS	20 AWG	Single	0.0331"	Red
20HNS	20 AWG	Heavy	0.0346"	Red
21SNS	21 AWG	Single	0.0296"	Red
22SNS	22 AWG	Single	0.0263"	Red
22HNS	22 AWG	Heavy	0.0276"	Red
23SNS	23 AWG	Single	0.0236"	Red
24SNS	24 AWG	Single	0.0211"	Red
24HNS	24 AWG	Heavy	0.0223"	Red
25SNS	25 AWG	Single	0.0188"	Red
26SNS	26 AWG	Single	0.0168"	Red
26HNS	26 AWG	Heavy	0.0178"	Red
27SNS	27 AWG	Single	0.0151"	Red
28SNS	28 AWG	Single	0.0135"	Red
28HNS	28 AWG	Heavy	0.0144"	Red
29SNS	29 AWG	Single	0.0121"	Red
30SNS	30 AWG	Single	0.0108"	Red
30HNS	30 AWG	Heavy	0.0117"	Red
31SNS	31 AWG	Single	0.0095"	Red
32SNS	32 AWG	Single	0.0087"	Red
32HNS	32 AWG	Heavy	0.0094"	Red

MW 79-C (33 AWG TO 44 AWG)

PART NUMBER	WIRE GAUGE	WIRE BUILD	OVERALL DIAMETER	AVAILABLE COLORS
33SNS	33 AWG	Single	0.0077"	Natural
34SNS	34 AWG	Single	0.0069"	Natural
35SNS	35 AWG	Single	0.0061"	Natural
36SNS	36 AWG	Single	0.0055"	Natural
37SNS	37 AWG	Single	0.0049"	Natural
38SNS	38 AWG	Single	0.0044"	Natural
39SNS	39 AWG	Single	0.0038"	Natural
40SNS	40 AWG	Single	0.0034"	Natural
41SNS	41 AWG	Single	0.0030"	Natural
42SNS	42 AWG	Single	0.0026"	**Natural or Red**
42HNS	42 AWG	Heavy	0.0029"	Natural
42.5SNS	42.5 AWG	Single	0.0025"	Natural
43SNS	43 AWG	Single	0.0024"	**Natural or Red**
44SNS	44 AWG	Single	0.0022"	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

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Remington Industries

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