TABLE OF NEMA MAGNET WIRE SPECIFICATIONS

NEMA MW No.	Description	Date of Origin (if known)	1973	1977	1981	1987	1993	1997	2003	2008	2012	2014	2015	2016	2018	2020
MW 1-C	Enamel Coated Round Copper Magnet Wire	1949	X	X	X	X										
MW 2-C	Polyurethane Film Insulated Round Copper Magnet Wire for Solderable Applications	1961	X	X	X	X	X	X	X	X	X					
MW 3-C	Polyurethane with Self-Bonding Overcoat Film Insulated Round Copper Magnet Wire for Solderable Applications	1961	X	X	X	X	X	X	X	X	X					
MW 4-C	Heavy and Triple Acrylic Resin Coated Round Copper Magnet Wire	1961														
MW 5-C	Polyester Film Insulated Round Copper Magnet Wire	1961	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 6-C	Polyamide Film Insulated Round Copper Magnet Wire	1957	X	X	X	X	X	X	X	X	X					
MW 9-C	Epoxy Film Insulated Round Copper Magnet Wire	1963	X	X	X	X	X	X	X							
MW 10-C	Single, Heavy, Triple and Quad Polytetrafluoroethylene Coated Round Copper Magnet Wire	1961														
MW 11-C	Cotton covered Round Copper Magnet Wire	1953	X	X	X	X										
MW 13-C	Heavy Polyester coated Rectangular and Square Copper Magnet Wire	1962														
MW 14-C	Epoxy Film Insulated Rectangular and Square Copper Magnet Wire	1964	X	X	X	X	X	X	X							
MW 15-A	Polyvinyl Acetal Film Insulated Round Aluminum Magnet Wire								X	X	X	X	X	X	X	X
MW 15-C	Polyvinyl Acetal Film Insulated Round Copper Magnet Wire	1959	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 16-A	Polyimide Film Insulated Round Aluminum Magnet Wire															X
MW 16-C	Polyimide Film Insulated Round Copper Magnet Wire	1964	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 17-C	Polyvinyl Acetal Overcoated with Polyamide Film Insulated Round Copper Magnet Wire	1959	X	X	X	X	X	X	X	X	X					
MW 18-A	Polyvinyl Acetal Film Insulated Rectangular and Square Aluminum Magnet Wire								X	X	X	X	X	X	X	X
MW 18-C	Polyvinyl Acetal Film Insulated Rectangular and Square Copper Magnet Wire	1955	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 19-C	Polyvinyl Acetal with Self-Bonding Overcoat Film Insulated Round Copper Magnet Wire	1959	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 20-A	Polyimide Film Insulated Rectangular and Square Aluminum `Magnet Wire															X
MW 20-C	Polyimide Film Insulated Rectangular and Square Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 21-C	Silk Covered Round Copper Magnet Wire	1953	X	X	X	X										
MW 22-C	Nylon fiber Covered Round Magnet Wire	1953	X	X	X	X										
MW 24-A	Polyester (amide)(imide) Overcoated with Polyamide Film Insulated Round Aluminum Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 24-C	Polyester (amide)(imide) Overcoated with Polyamide Film Insulated Round Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 25-C	Single, Heavy, Triple Class 180 Polyester Coated Round Copper Magnet Wire	1964														
MW 26-C	Polyester (imide) Film Insulated Round Copper Magnet Wire for Solderable Applications		X	X	X	X	X	X	X	X	X	X				
MW 27-C	Polyester (imide) Overcoated with Polyamide Film Insulated Round Copper Magnet Wire for Solderable Applications		X	X	X	X	X	X	X	X	X	X				
MW 28-A	Single and Heavy Polyurethane-Nylon Coated Round Aluminum Magnet Wire (130)						X	X	X	X	X	X	X	X	X	X
MW 28-C	Single and Heavy Polyurethane-Nylon Coated Round Copper Magnet Wire (130)	1964	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 29-C	Polyurethane Overcoated with Polyamide and Self-Bonding Overcoat Film Insulated Round Copper Magnet Wire for Solderable Applications		X	X	X	X	X	X	X	X	X					
MW 30-C	Polyester (amide)(imide) Film Insulated Round Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 31-A	Paper Covered Bare or Insulated Round Copper Magnet Wire										X	X	X	X	X	X
MW 31-C	Paper Covered Bare or Insulated Round Copper Magnet Wire	1956	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 32-C	Double paper Single Cotton Covered Bare Rectangular and Square Copper Magnet Wire	1955	X	X	X	X	X	X	X							
MW 33-A	Paper Covered Bare or Insulated Rectangular Copper Magnet Wire										X	X	X	X	X	X
MW 33-C	Paper Covered Bare or Insulated Rectangular Copper Magnet Wire	1957	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 35-A	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Round Aluminum Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 35-C	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Round Copper Magnet Wire (200)		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 36-A	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Rectangular and Square Aluminum Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 36-C	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Rectangular and Square Copper Magnet Wire (200)		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 37-C	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Round Copper Magnet Wire (220)		X	X	X							X	X	X	X	X
MW 38-C	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Rectangular and Square Copper Magnet Wire (220)											X	X	X	X	X
MW 39-C	Solderable Acrylic Nylon Coated Round Copper Magnet Wire		X	X	X											
MW 41-C	Glass Fiber Covered, Bare or Film Insulated Round Copper Magnet Wire	1963	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 42-C	Glass Fiber Covered, Bare or Film Insulated Rectangular and Square Copper Magnet Wire	1957-1964	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 43-C	Glass Fiber Covered Silicone Treated Bare or Heavy Film Insulated Rectangular and Square Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 44-C	Glass Fiber Covered Silicone Treated Bare or Heavy Film Insulated Round Copper Magnet Wire	1963	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 45-C	Polyester Glass Fiber Covered, Bare or Film Insulated Round Copper Magnet Wire	1962	X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 46-C	Polyester Glass Fiber Covered, Bare or Film Insulated Rectangular and Square Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 47-C	Polyester Glass Fiber Covered Silicone Treated, Bare or Film Insulated Round Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 48-C	Polyester Glass Fiber Covered Silicone Treated, Bare or Film Insulated Rectangular and Square Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 50-C	Glass Fiber Covered High Temperature Organic Varnish Treated, Bare or Film Insulated Round Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 51-C	Polyester Glass Fiber Covered High Temperature Organic Varnish Treated, Bare or Film Insulated Round Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 52-C	Glass Fiber Covered High Temperature Organic Varnish Treated, Bare or Film Insulated Rectangular and Square Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 53-C	Polyester Glass Fiber Covered High Temperature Organic Varnish Treated, Bare or Film Insulated Rectangular and Square Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 54-C	Polyester Glass Fiber Covered and Varnish Treated Bare or Heavy Film-Insulated Round Copper Magnet Wire (155)														X	X
MW 55-C	Polyester Glass Fiber Covered and Varnish Treated Bare or Heavy Film-Insulated Rectangular and Square Copper Magnet Wire (155)														X	X
MW 60-A	Aromatic Polyamide Paper Covered Rectangular and Square Aluminum Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 60-C	Aromatic Polyamide Paper Covered Rectangular and Square Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 61-A	Aromatic Polyamide Paper Covered Round Aluminum Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 61-C	Aromatic Polyamide Paper Covered Round Copper Magnet Wire		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 62-C	Aromatic Polyimide Tape Covered Bare Rectangular and Square Copper Magnet Wire	1997						X	X	X	X					
MW 63-C	Aromatic Polyimide Tape Covered Bare Round Copper Magnet Wire	1997						X	X	X	X					
MW 64-A	Aromatic Polyimide Tape Covered												X	X	X	X
MW 64-C	Aromatic Polyimide Tape Covered									X	X	X	X	X	X	X
MW 65-A	Aromatic Polyimide Tape Covered												X	X	X	X
MW 65-C	Aromatic Polyimide Tape Covered									X	X	X	X	X	X	X
MW 71-C	Polyimide Film Insulated Round Copper Magnet Wire for Hermetic Applications		X	X	X	X	X	X								
MW 72-C	Polyester (amide)(imide) Film Insulated Round Copper Magnet Wire for Hermetic Applications		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 73-A	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Round Aluminum Magnet Wire for Hermetic Applications		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 73-C	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Round Copper Magnet Wire for Hermetic Applications		X	X	X	X	X	X	X	X	X	X	X	X	X	X
MW 74-A	Polyester (amide)(imide) Film Insulated Round Aluminum Magnet Wire					X	X	X	X	X	X	X	X	X	X	X
MW 74-C	Polyester (amide)(imide) Film Insulated Round Copper Magnet Wire				X	X	X	X	X	X	X	X	X	X	X	X
MW 75-C	Polyurethane Film Insulated Round Copper Magnet Wire for Solderable Applications				X	X	X	X	X	X	X	X	X	X	X	X
MW 76-A	Polyester (amide)(imide) Overcoated with Polyamide Film Insulated Round Aluminum Magnet Wire				X	X	X	X	X	X	X	X	X	X	X	X
MW 76-C	Polyester (amide)(imide) Overcoated with Polyamide Film Insulated Round Copper Magnet Wire				X	X	X	X	X	X	X	X	X	X	X	X
MW 77-C	Polyester (imide) Film Insulated Round Copper Magnet Wire for Solderable Applications				X	X	X	X	X	X	X	X	X	X	X	X
MW 78-C	Polyester (imide) Overcoated with Polyamide Film Insulated Round Copper Magnet Wire for Solderable Applications				X	X	X	X	X	X	X	X	X	X	X	X
MW 79-C	Polyurethane Film Insulated Round Copper Magnet Wire for Solderable Applications (155)						X	X	X	X	X	X	X	X	X	X
MW 80-A	Polyurethane Overcoated with Polyamide Film Insulated Round Aluminum Magnet Wire for Solderable Applications (155)							X	X	X	X	X	X	X	X	X
MW 80-C	Polyurethane Overcoated with Polyamide Film Insulated Round Copper Magnet Wire for Solderable Applications (155)				X	X	X	X	X	X	X	X	X	X	X	X
MW 81-C	Polyamideimide Film Insulated Round Copper Magnet Wire						X	X	X	X	X	X	X	X	X	X
MW 82-C	Polyurethane Film Insulated Round Copper Magnet Wire for Solderable Applications (180)							X	X	X	X	X	X	X	X	X
MW 83-C	Polyurethane Overcoated with Polyamide Film Insulated Round Copper Magnet Wire for Solderable Applications (180)							X	X	X	X	X	X	X	X	X
MW 84-C	Polyamideimide Film Insulated Rectangular and Square Copper Magnet Wire											X	X	X	X	X
MW 85-C	Polyurethane Fully Insulated FIW Zero-Defect Insulated Round Coper Wire for Solderable Applications												X	X	X	X
MW 86-A	Polyvinyl Acetal Film Insulated Round Aluminum Magnet Wire, Class 120													X	X	X
MW 86-C	Polyvinyl Acetal Film Insulated Round Copper Magnet Wire, Class 120													X	X	X
MW 87-A	Polyvinyl Acetal Film Insulated Rectangular and Square Aluminum Magnet Wire, Class 120													X	X	X
MW 87-C	Polyvinyl Acetal Film Insulated Rectangular and Square Copper Magnet Wire, Class 120													X	X	X
MW 88-C	Polyvinyl Acetal with Self-Bonding Overcoat Film Insulated Rectangular Copper Magnet Wire (120)															X
MW 102-A	Polyester (amide)(imide) Overcoated with Polyamideimide, and Self-Bonding Overcoat Film Insulated Round Aluminum Magnet Wire							X	X	X	X	X	X	X	X	X
MW 102-C	Polyester (amide)(imide) Overcoated with Polyamideimide, and Self-Bonding Overcoat Film Insulated Round Copper Magnet Wire							X	X	X	X	X	X	X	X	X
MW 103-C	Polyester (Amide)(Imide), Overcoated with Polyamideimide, and Self Bonding Overcoat Film Insulated Round Copper Magnet Wire (180)															X
MW 122-C	Polyamideimide with Self Bonding Overcoat Film Insulated Round Copper Magnet Wire (180)															X
MW 130-C	Polyurethane with Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (130)											X	X	X	X	X
MW 131-C	Polyurethane with Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (155)											X	X	X	X	X
MW 132-C	Polyurethane with Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (180)										X	X	X	X	X	X
MW 135-C	Polyurethane with Polyamide and Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (130)											X	X	X	X	X
MW 136-C	Polyurethane with Polyamide and Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (155)											X	X	X	X	X
MW 137-C	Polyurethane with Polyamide and Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (180)										X	X	X	X	X	X

Denotes period covering 1973-present in which specification has been obsolete

Denotes period prior to the introduction of existing specification

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