TABLE OF NEMA MAGNET WIRE SPECIFICATIONS

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NEMA MW No.	Description	Date of Origin	1973	1977	1981	1987	1993	1997	2003	2008	2012	2014	2015	2016	2018	2020	2023
MW 1-C	Enamel Coated Round Copper Magnet Wire	(if known) 1949	Х	х	х	Х											
MW 2-C MW 3-C	Polyurethane Film Insulated Round Copper Magnet Wire for Solderable Applications Polyurethane with Self-Bonding Overcoat Film Insulated Round Copper Magnet Wire for Solderable Applications	1961 1961	X X	X X	X X	X	X X	X	X	X	X						
MW 4-C MW 5-C	Heavy and Triple Acrylic Resin Coated Round Copper Magnet Wire Polyester Film Insulated Round Copper Magnet Wire	1961 1961				Х			v	Х		v	~	V	~	~	×
MW 6-C	Polyamide Film Insulated Round Copper Magnet Wire	1957	X X	X	X X	Х	X X	X	X	X	X			~		~	
MW 9-C MW 10-C	Epoxy Film Insulated Round Copper Magnet Wire Single, Heavy, Triple and Quad Polytetraflucroethylene Coated Round Copper Magnet Wire	1963 1961	х	Х	Х	х	Х	Х	Х						<u> </u>		
	Cator, crimer and action of premiseration of the control of the co	1953	Х	Х	Х	Х											
MW 13-C MW 14-C	Heavy Polyester coated Rectangular and Square Copper Magnet Wire Epoxy Film Insulated Rectangular and Square Copper Magnet Wire	1962 1964	х	х	х	х	х	х	х						<u> </u>	_	
MW 15-A MW 15-C	Polyvinyl Acetal Film Insulated Round Aluminum Magnet Wire	1959	×	х	х	х	х	х	X	X	X	X X	X	X	X X	X	X
MW 16-A	Polyvinyl Acetal Film Insulated Round Copper Magnet Wire Polyimide Film Insulated Round Aluminum Magnet Wire											^		^		x	x
MW 16-C MW 17-C	Polyimide Film Insulated Round Copper Magnet Wire Polyvinyl Acetal Overcoated with Polyamide Film Insulated Round Copper Magnet Wire	1964 1959	X	X	X	X	X	X	X	X	X	X	х	X	X	х	х
MW 18-A MW 18-C	Polyvinyl Acetal Film Insulated Rectangular and Square Aluminum Magnet Wire Polyvinyl Acetal Film Insulated Rectangular and Square Copper Magnet Wire	1955	х	х	х	х	х	х	X	X	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	1955	X	X	X	X	X	X	X	X	X	X	x	x	X	Х	Х
MW 20-A MW 20-C	Polyimide Film Insulated Rectangular and Square Aluminum 'Magnet Wire Polyimide Film Insulated Rectangular and Square Copper Magnet Wire		x	х	х	x	x	x	x	x	x	x	x	х	x	X	X X
MW 21-C	Silk Covered Round Copper Magnet Wire	1953	X	X	Х	X	~	^	^	^	^	^		^			
MW 22-C MW 24-A	Nyton fiber Covered Round Magnet Wire Polyester (amide)(imide) Overcoated with Polyamide Film Insulated Round Aluminum Magnet Wire	1953	X X	X X	X X	X	х	х	X	X	X	х	X	х	х	х	X
MW 24-C	Polyester (amide)(imide) Overcoated with Polyamide Film Insulated Round Copper Magnet Wire	1964	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	х	X	Х	х
MW 26-C	Single, Heavy, Triple Class 180 Polyester Coated Round Copper Magnet Wire Polyester (imide) Film Insulated Round Copper Magnet Wire for Solderable Applications	1964	х	х	Х	х	х	х	х	Х	Х	х					
MW 27-C MW 28-A	Polyester (imide) Overcoated with Polyamide Film Insulated Round Copper Magnet Wire for Solderable Applications Single and Heavy Polyurethane-Nylon Coated Round Aluminum Magnet Wire (130)		Х	х	Х	Х	X X	X	X X	X	X	X	X	х	X	х	×
MW 28-C	Single and heavy Polyoretinane-typin Costato Round Aufminian Wagner, Wire (150) Single and Heavy Polyoretinane-typin Costato Round Copper Magnet Wire (130) Polyurethane Overcoated with Polyamide and Self-Bonding Overcoat Film Insulated Round Copper Magnet Wire for Solderable Applications	1964	х	х	X X	х	Х			Х	Х	x	x	x	x	x	X
MW 29-C MW 30-C	Polyurethane Overcoated with Polyamide and Self-Bonding Overcoat Film Insulated Round Copper Magnet Wire for Solderable Applications Polyester (amide)(imide) Film Insulated Round Copper Magnet Wire		X X	X X	X	X X	X X	X X	X	X	X X	х	х	x	х	х	x
MW 31-A MW 31-C	Paper Covered Bare or Insulated Round Copper Magnet Wire	1050								X	X	X	X	X	X	X	X
MW 32-C	Paper Covered Bare or Insulated Round Copper Magnet Wire Double paper Single Cotton Covered Bare Rectangular and Square Copper Magnet Wire	1956 1955	X X	X	X	X	X X	X X	X	X							
MW 33-A MW 33-C	Paper Covered Bare or Insulated Rectangular Copper Magnet Wire Paper Covered Bare or Insulated Rectangular Copper Magnet Wire	1957	x	x	X	x	x	x	x	x	X X	X	X	X	X	X	X
MW 35-A	Polvester (amide)(imide) Overcoated with Polvamideimide Film Insulated Round Aluminum Magnet Wire	1007	X X	X X	X X	X X	X X	X	X X	X X	X X		X	X	X X	X X	X
MW 35-C MW 36-A	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Round Copper Magnet Wire (200) 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	X	X	X	X	X X
MW 36-C	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Rectangular and Square Copper Magnet Wire (200)		Х	Х	X	Х	Х	Х	X X	Х	X X	Х	Х	X	X	Х	
MW 37-C MW 38-C	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Round Copper Magnet Wire (220) Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Rectangular and Square Copper Magnet Wire (220)		X	Х	Х							X	X	X	X	X X	X
MW 39-C MW 41-C	Solderable Acrylic Nylon Coated Round Copper Magnet Wire Glass Fiber Covered, Bare or Film Insulated Round Copper Magnet Wire	1963	X X	X X	X X	x	х	х	X	х	x	х	X	х	X	x	х
MW 42-C	Glass Fiber Covered, Bare or Film Insulated Rectangular and Square Copper Magnet Wire Glass Fiber Covered Silicone Treated Bare or Heavy Film Insulated Rectangular and Square Copper Magnet Wire	1957-1964	Х	Х	Х	Х	Х	Х	Х	Х	X	х	Х	Х	Х	X	Х
MW 43-C MW 44-C	Glass Fiber Covered Silicone Treated Bare or Heavy Film Insulated Rectangular and Square Copper Magnet Wire 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	X	X	X	X X	X
MW 45-C	Polyester Glass Fiber Covered, Bare or Film Insulated Round Copper Magnet Wire	1962	Х	X	X X	Х	X	Х	X X	Х	X X	х	Х	Х	X	X	X X
MW 47-C	Polyester Glass Fiber Covered, Bare or Film Insulated Rectangular and Square Copper Magnet Wire Polyester Glass Fiber Covered Silicone Treated, Bare or Film Insulated Round Copper Magnet Wire		X	Х	X	X	X X	X X	X	X	X X	X	X	X	X	Х	X X
MW 48-C MW 50-C	Polyester Glass Fiber Covered Silicone Treated, Bare or Film Insulated Rectangular and Square Copper Magnet Wire 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	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	Х	X	X	X X	X	Х	X
MW 52-C MW 53-C	Glass Fiber Covered High Temperature Organic Varnish Treated, Bare or Film Insulated Rectangular and Square Copper Magnet Wire 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 X	X
MW 54-C MW 55-C	Polyester Glass Fiber Covered and Varnish Treated Bare or Heavy Film-Insulated Round Copper Magnet Wire (155) Polyester Glass Fiber Covered and Varnish Treated Bare or Heavy Film-Insulated Rectangular and Square Copper Magnet Wire (155)														X	X X	Х
	Pulyesed basis Fuer Covered and Varinsh Treated bard of heavy Fillinitisticated Rectargual and Square Copper wagnet wire (155) Aromatic Polyamide Paper Covered Rectangular and Square Alumium Magnet Wire Aromatic Polyamide Paper Covered Rectangular and Square Copper Magnet Wire		х	х	Х	х	Х	х	х	х	х	х	х	х	X	Х	X
MW 60-C MW 61-A	Aromatic Polyamide Paper Covered Rectangular and Square Copper Magnet Wire Aromatic Polyamide Paper Covered Round Aluminum Magnet Wire		X X	X X	X X X	X X	X	X	X X 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	х	X	X	X	X	X X	X	X	X	X X
MW 62-C MW 63-C	Aromatic Polyimide Tape Covered Bare Rectangular and Square Copper Magnet Wire Aromatic Polyimide Tape Covered Bare Round Copper Magnet Wire	1997 1997						X X	X	X	X X X				<u> </u>	_	
MW 64-A MW 64-C	Aromatic Polyimide Tape Covered Aromatic Polyimide Tape Covered									X	х	х	X	X	X	X	X X
MW 65-A	Aromatic Polyimide Tape Covered									^			Х	Х	Х	Х	X
MW 65-C MW 71-C	Aromatic Polyimide Tape Covered Polyimide Film Insulated Round Copper Magnet Wire for Hermetic Applications		х	Х	х	х	Х	х		X	Х	Х	х	х	Х	х	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	X	X X	X X	X X	X	X	X X
MW 73-A MW 73-C	Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Round Aluminum Magnet Wire for Hermetic Applications Polyester (amide)(imide) Overcoated with Polyamideimide Film Insulated Round Copper Magnet Wire for Hermetic Applications		X	X	X	Х	Х	Х	Х	Х	X X	X	Х	Х	Х	Х	х
MW 74-A MW 74-C	Polyester (amide)(imide) Film Insulated Round Aluminum Magnet Wire Polyester (amide)(imide) Film Insulated Round Copper Magnet Wire				х	X	X X	X X	X	X X	X X	X X	X	X	X	X	X
MW 75-C	Polycetkane Tim Insulated cound Coper Magnet Wire for Solderable Applications Polycetkane Tim Insulated Cound Coper Magnet Wire for Solderable Applications Polycetkane (amide)(imide) Overcoated with Polyamide Film Insulated Round Aluminum Magnet Wire				Х	Х	Х	Х	Х	Х	Х	Х	х	Х	Х	Х	Х
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	X X
MW 77-C	Polyester (imide) Film Insulated Round Copper Magnet Wire for Solderable Applications				X X	X X	Х	Х	Х	Х	Х	х	X	Х	X	X	Х
MW 79-C	Polyester (imide) Overcoated with Polyamide Film Insulated Round Copper Magnet Wire for Solderable Applications Polyurethane Film Insulated Round Copper Magnet Wire for Solderable Applications (155)				^	Ê	X X	X X	X	X X	X X	X	Х	X	Х	Х	X
MW 80-A MW 80-C	Polyurethane Overcoated with Polyamide Film Insulated Round Aluminum Magnet Wire for Solderable Applications (155) Polyurethane Overcoated with Polyamide Film Insulated Round Copper Magnet Wire for Solderable Applications (155)				х	x	х	X	X	X	X X	X	X X	X	X	X	X
MW 81-C	Polyamideimide Film Insulated Round Copper Magnet Wire						X	Х	Х	Х	Х	Х	X	Х	X	Х	X
MW 82-C MW 83-C	Polyurethane Film Insulated Round Copper Magnet Wire for Solderable Applications (180) Polyurethane Overcoated with Polyamide Film Insulated Round Copper Magnet Wire for Solderable Applications (180)							X	X	X	X	Х	х	X	X	X	х
MW 84-C MW 85-C	Polyamideimide Film Insulated Rectangular and Square Copper Magnet Wire Polyurethane Fully Insulated FIW Zero-Defect Insulated Round Coper Wire for Solderable Applications											х	X	X	X	X	X X
MW 86-A	Pulyerenare Fully insulated Five ZeroDetext insulated routing Oper Wite to Suberable Applications Polywink Acetal Film Insulated Round Aurinium Magnet Wite, Class 120 Polywink Acetal Film Insulated Round Copper Magnet Wite, Class 120													Х	X	Х	Х
MW 87-A	Polyvinyl Acetal Film Insulated Rectangular and Square Aluminum Magnet Wire, Class 120									-				X	X	X	X
MW 87-C	Polyvinyl Acetal Film Insulated Rectangular and Square Copper Magnet Wire, Class 120													x	X	Х	X
MW 88-C MW 102-A	Polyvinyl Acetal Film Insulated Rectangular and Square Copper Magnet Wire, Class 120 Polyvinyl Acetal with Self-Bonding Overcoat Film Insulated Rectangular Copper Magnet Wire (120) Polyster (amélő) (midé) Overcoated with Polyamidenide, and Self-Bonding Overcoat Film Insulated Round Aluminum Magnet Wire							x	х	х	х	х	х	х	x	X	X X
MW 102-C	Polyester (amide)(imide) Overcoated with Polyamideimide, and Self-Bonding Overcoat Film Insulated Round Copper Magnet Wire							х	Х	Х	Х	Х	Х	х	х	X	X X
MW 122-C	Polyester (Amide)(Imide), Overcoated with Polyamideimide, and Self Bonding Overcoat Film Insulated Round Copper Magnet Wire (180) Polyamideimide with Self Bonding Overcoat Film Insulated Round Copper Magnet Wire (180)															X	X X
MW 130-C MW 131-C	Polyurethane with Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (130) Polyurethane with Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (155)											X X	X	X	X X	X X	X
MW 132-C	Polyurethane with Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (180)										х	X	X	X	Х	X	X X X
MW 136-C	Polyurethane with Polyamide and Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (130) Polyurethane with Polyamide and Self-Bonding Overcoat, Film Insulated Round Copper Magnet Wire for Solderable Applications (155)									-		X	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)	1									Х	Х	Х	Х	Х	Х	Х

Denotes period covering 1973-present in which specification has been obsolete Denotes period prior to the introduction of existing specification X Denotes specification declared obsolete, to be dropped from the next edition

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