

Enamelled copper and aluminium round wire

		Thermal					
description	property	class	grade	Diameters	UL	Chemical	International
Enamelled copper round wire		B (180 °C)				Modified Polyvinil Acetate	IEC 60317-12

Recommended applications:

applications requiring automated soldering systems: small transformers, small motors, measuring equipment, impregnated and unimpregnated coils

		Thermal					
description	property	class	grade	Diameters	UL	Chemical	International
Enamelled copper round wire	directly solderable	F (155 °C)	1	0,018 to 2,240 mm	YES	Modified Polyurethane	IEC 60317-20 NEMA MW 79-C
Enamelled copper round wire	directly solderable	F (155 °C)	2	0,050 to 1,800 mm	YES	Modified Polyurethane	IEC 60317-20 NEMA MW 79-C

Enamelled Aluminium round wire	directly solderable	F (155 °C)	1	0,150 to 0,630 mm	YES	Modified Polyurethane	
Enamelled Aluminium round wire	directly solderable	F (155 °C)	2	0,150 to 0,630 mm	YES	Modified Polyurethane	

Enamelled copper round wire	directly solderable	H (180 °C)	1	0,018 to 2,240 mm	YES	Modified Polyurethane	IEC 60317-51 NEMA MW 1000 SPEC. MW 82-C
Enamelled copper round wire	directly solderable	H (180 °C)	2	0,050 to 1,800 mm	YES	Modified Polyurethane	IEC 60317-51 NEMA MW 1000 SPEC. MW 82-C

Enamelled Aluminium round wire	directly solderable	H (180 °C)	1	0,150 to 0,630 mm	YES	Modified Polyurethane	IEC 60317-51 NEMA MW 1000 SPEC. MW 82-C
Enamelled Aluminium round wire	directly solderable	H (180 °C)	2	0,150 to 0,630 mm	YES	Modified Polyurethane	IEC 60317-51 NEMA MW 1000 SPEC. MW 82-C

Recommended applications:

applications requiring automated soldering systems: small transformers, small motors, measuring equipment, impregnated and unimpregnated coils

		Thermal					
description	property	class	grade	Diameters	UL	Chemical	International
Enamelled copper round wire		H (180 °C)			YES	Polyester-Amide-Imide	IEC 60317-8 NEMA MW 74

Recommended applications:

Special winding wire with improved thermal, mechanical and chemical properties for the construction of motors and transformers

		Thermal					
description	property	class	grade	Diameters	UL	Chemical	International
Enamelled copper round wire	self-tinnable	H (180 °C)			YES	Polyesterimide	IEC 60317-23 NEMA MW 77-C

Recommended applications:

Heat resisting winding wire which at increased temperature of the tinning bath can be tinned without previous removal of the enamel coating.

		Thermal					
description	property	class	grade	Diameters	UL	Chemical	International
Enamelled copper round wire	self-solderable	H (180 °C)	1	0,030 to 1,000 mm	YES	Polyesterimide	IEC 60317-23 NEMA MW 1000 SPEC. MW 75-C
Enamelled copper round wire	self-solderable	H (180 °C)	2	0,050 to 1,000 mm	YES	Polyesterimide	IEC 60317-23 NEMA MW 1000 SPEC. MW 75-C

Recommended applications:

Motors, transformers, electromagnetic coils and in general electrical assemblies working at high temperatures up to a maximum of 180 °C

		Thermal					
description	property	class	grade	Diameters	UL	Chemical	International
Enamelled Aluminium round wire		H (> 200 °C)	1	0,150 to 5,000 mm	YES	Polyesterimide-Theic-Amide-imide	IEC 60317-25 NEMA MW 1000 SPEC. MW 35-A/Mw 73-A
Enamelled Aluminium round wire		H (> 200 °C)	2	0,150 to 5,000 mm	YES	Polyesterimide-Theic-Amide-imide	IEC 60317-25 NEMA MW 1000 SPEC. MW 35-A/Mw 73-A

Enamelled copper round wire		H (> 200 °C)	1	0,080 to 2,500 mm	YES	Polyesterimide-Theic-Amide-imide	IEC 60317-13 NEMA MW 1000 SPEC. MW 35-C/Mw 73-C
Enamelled copper round wire		H (> 200 °C)	2	0,011 to 6,000 mm	YES	Polyesterimide-Theic-Amide-imide	IEC 60317-13 NEMA MW 1000 SPEC. MW 35-C/Mw 73-C

Recommended applications:

Motors, hermetic compressors motors, oil filled transformers, ballasts and in general electric assemblies operating at very high temperature up to 200 °C

		Thermal					
description	property	class	grade	Diameters	UL	Chemical	International
Enamelled copper round wire		H (> 240 °C)	1	0,200 to 0,800 mm		Polyimide	IEC 60317-7 NEMA MW 1000 SPEC. MW 16-C/71-C
Enamelled copper round wire		H (> 240 °C)	2	0,200 to 0,800 mm		Polyimide	IEC 60317-7 NEMA MW 1000 SPEC. MW 16-C/71-C

Recommended applications:

This wire is the most suitable for special windings exposed to extreme mechanical and thermal stress as in nuclear and space fields

		Thermal					
description	property	class	grade	Diameters	UL	Chemical	International
Self-bonding Enamelled copper round wire	directly solderable	F (155 °C)	1	0,020 to 1,400 mm		Modified polyurethanes - Polyamide	IEC 60317-35
Self-bonding Enamelled copper round wire	directly solderable	F (155 °C)	2	0,100 to 1,400 mm		Modified polyurethanes - Polyamide	IEC 60317-35
Self-bonding Enamelled Aluminium round wire	directly solderable	F (155 °C)	1	0,200 to 1,500 mm		Modified polyurethanes - Polyamide	Internal standard
Self-bonding Enamelled Aluminium round wire	directly solderable	F (155 °C)	2	0,200 to 1,500 mm		Modified polyurethanes - Polyamide	Internal standard

Recommended applications:

Suitable for self-supporting TV deflection coils, small motors, loudspeakers coils.

		Thermal					
description	property	class	grade	Diameters	UL	Chemical	International
Self-bonding Enamelled copper round wire		H (180 °C / 200 °C)	1	0,132 to 1,500 mm	YES	Polyesterimide-Theic Polyamide-imide	IEC 60317-37 / IEC 60317-38
Self-bonding Enamelled copper round wire		H (180 °C / 200 °C)	2	0,132 to 1,500 mm	YES	Polyesterimide-Theic Polyamide-imide	IEC 60317-37 / IEC 60317-38
Self-bonding Enamelled Aluminium round wire		H (200 °C)	1	0,200 to 1,500 mm	YES	Polyesterimide-Theic Polyamide-imide	Internal standard
Self-bonding Enamelled Aluminium round wire		H (200 °C)	2	0,200 to 1,500 mm	YES	Polyesterimide-Theic Polyamide-imide	Internal standard

Recommended applications:

Top quality thermosetting wire of triple layer construction, particularly suitable for one-phase, three phase and universal motors, magnetic spools up to and including thermal class H-200 °C