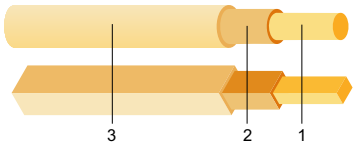
CONDUMEX
MAGNET WIRE



MAGNET WIRE

AMIDANEL™ 200°C

DESCRIPTION

1. Round, square or rectangular soft copper conductor.
2. Insulation based on a modified polyester resin.
3. Amide imide resin overcoat.

APPLICATIONS:

- Open motors.
- Enclosed motors.
- Airtight motors.
- Dry-type transformers.
- Automotive coils.
- Ballasts.
- Motors for portable tools.

THERMAL CLASS:

- 200° C, Class N

PROPERTIES:

- Excellent thermal stability, excellent dielectric and mechanical properties, very good chemical resistance to common solvents and coolants.
- AMIDANEL™ is chemically resistant to Freon 12 and 22.

GENERAL RECOMMENDATIONS:

- Do not use for applications subject to excessive moisture conditions.
- AMIDANEL™ is not a solderable product.

ROUND AMIDANEL™ MANUFACTURING RANGE

COLOR		SINGLE	DOUBLE
Amber (Typical)	Gauge	14 to 44 AWG	4 to 44 AWG
	Conductor Diameter	0.048 to 1.613 mm (0.0019 to 0.0635")	0.048 to 5.138 mm (0.0019 to 0.0635")
Amber (Hermetic)	Gauge	----------	14 to 30 AWG
	Conductor Diameter	----------	0.0099 to 0.635 mm (0.00078 to 0.0177")
Blue and Green	Gauge	14 to 30 AWG	
	Conductor Diameter	0.252 to 1.613 mm (0.0099 to 0.0635")	

COLORS:

- Amber (typical).
- Green.
- Blue (14 to 30 AWG).

SPECIFICATIONS:

The product may be designed according to any of the following standards*:

- IEC 60317-13 and IEC 60317-29
- NMX-J-482, 482, 485 and 489
- NEMA MW 35-C, 36-C and 73-C

*If compliance with a different specification is required, please contact our Sales Department.

CERTIFICATION:

- Quality system certified by:
- Underwriters Laboratories Inc. File E 87331

ORDERING INFORMATION:

- AMIDANEL™ magnet wire or square or rectangular, gauge, dimensions (for soleplates), construction (single, double), color, quantity, and packing.

AMIDANEL™ SHAPED MANUFACTURING RANGE

Reference	Dimensions			
	Minimum		Maximum	
	mm	in	mm	in
Thickness	1.0	0.040	5.2	0.204
Width	2.5	0.100	14.0	0.551

Maximum	Maximum Area	
Width/Thickness Ratio (1)	6 mm^2	0.0625 in^2

(1) The width/thickness ratio is nondimensional.
Approximate data subject to normal manufacturing tolerances.