



MAGNET WIRE

ULTRANEL™ 200°C

DESCRIPTION

1. Soft copper round conductor.
2. Insulation based on imide polyester resin.
3. Modified amide imide resin overcoat.

APPLICATIONS:

- All types of AC motors, where speed is controlled by speed variators (frequency), IGBT inverters and electronic devices with PWM (Pulse Width Modulation) technology.
- High frequency transformers.

THERMAL CLASS:

- 200° C, Class N

PROPERTIES:

- Higher durability in applications with frequency variators vs. traditional magnet wire.
- Excellent resistance to solvents and various chemical substances.
- Excellent thermal stability.
- Adequate electrical and mechanical properties for the processes and equipments used f design.
- Excellent resistance to high voltage and frequency cyclic pulses.
- Excellent resistance to corona effect.
- Low friction factor, easy slot filling.
- High resistance to abrasion.

COLOR:

- Brown

GENERAL RECOMMENDATIONS:

- Do not use for applications subject to excessive moisture conditions.
- Comply with minimum curvature radius and mechanical pulling stress in winding processes.

SPECIFICATIONS:

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

- NEMA MW 1000 35-C
- Internal Condumex specification for evaluation of pulse resistance.

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

CERTIFICATION:

- Quality system certified by: UL E87331

ORDERING INFORMATION:

- ULTRANEL™ magnet wire, gauge, double construction, quantity and packing.

ROUND ULTRANEL™ MANUFACTURING RANGE		
COLOR	DOUBLE	
Brown	Gauge	14 to 22 AWG 0.635 to 1.613 mm (0.0250 to 0.0635")
	Conductor Diameter	

Approximate data subject to normal manufacturing tolerances.