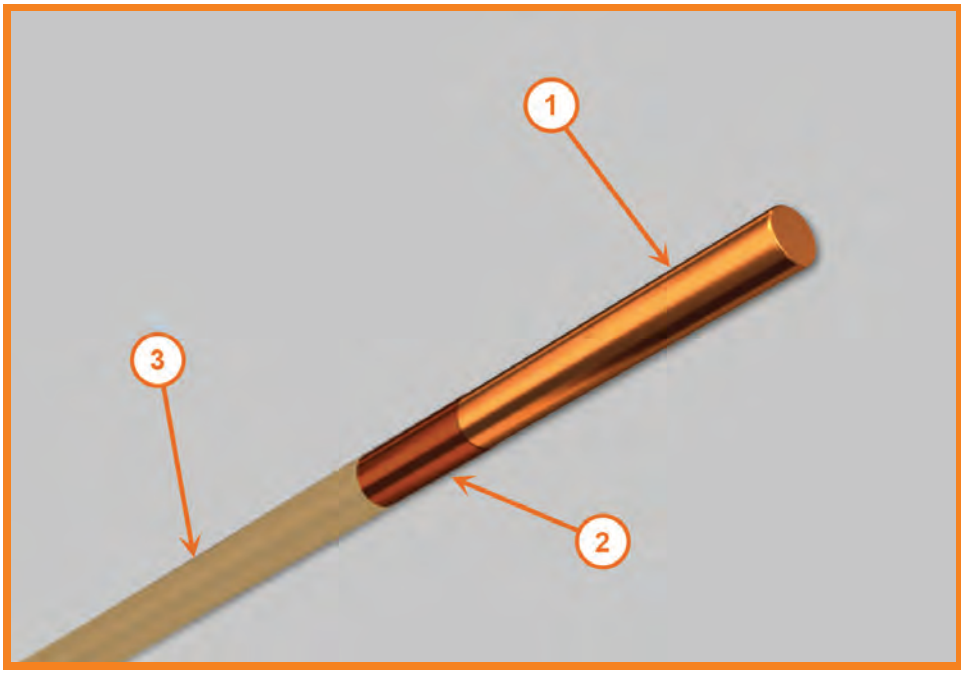
ULTRANEL™ 220 °C



Description:

1. Round soft copper wire
2. Polyester imide resin as base coat
3. Modified polyamide imide resin as top coat

Application:

- Any kind of a. c. motors, whose speed is driven by adjustable frequency drivers, IGBT based technology devices and PWM drivers.
- High frequency dry transformers

Features:

- Longer life-time than any other magnet wire, on high frequency coils for ASD (adjustable speed drive) applications
- Excellent resistance to many chemical substances as solvents, oils, grease, gasoline and petroleum derivates.
- Excellent thermal stability
- Mechanical and electrical characteristics designed to achieve good performance during winding process and as a coil.
- Excellent resistance to high frequency and high voltage pulses for ASD (adjustable speed drive) applications.
- When customers must choice triple or quadruple builds for common magnet wire, they use only heavy build Ultranel™ to achieve long life-time expectative.
- Excellent resistance to corona effect
- Low Coeficient of Friction of Ultranel™ makes easier winding and insertion processes, even with high slot filling percentage requirements.
- Excellent resistance to abrasion

Special Features:

- Coils produced with Ultranel™ should not be exposed to extreme humidity.
- To avoid insulation damage during winding process, mechanical tension limits must be observed.

Standards:

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

- NEMA MW-1000: MW 35-C y MW 37-C
- Condumex specification to test the resistance to high frequency pulses.

Please contact our Technical Deparment if the requested product should fulfill a different standard from those shown.

Thermal Class:

220 °C, class R

Color:

sepia

Certification:

Product certified by Underwriters Laboratories Inc. Records are available on File E87331.

How to order:

Ultranel™ magnet wire, round wire, gauge (AWG) or cross-section area (mm^2), built (heavy), color, weight and package

ULTRANEL™ 220 °C

Round wire production range Ultranel™

Color	Build	Range	Bare wire diameter			
			Minimum		Maximum	
		AWG	mm	in	mm	in
sepia	heavy	14-27	0.358	0.0143	1.643	0.0647

These data may vary due to manufacturing tolerances.

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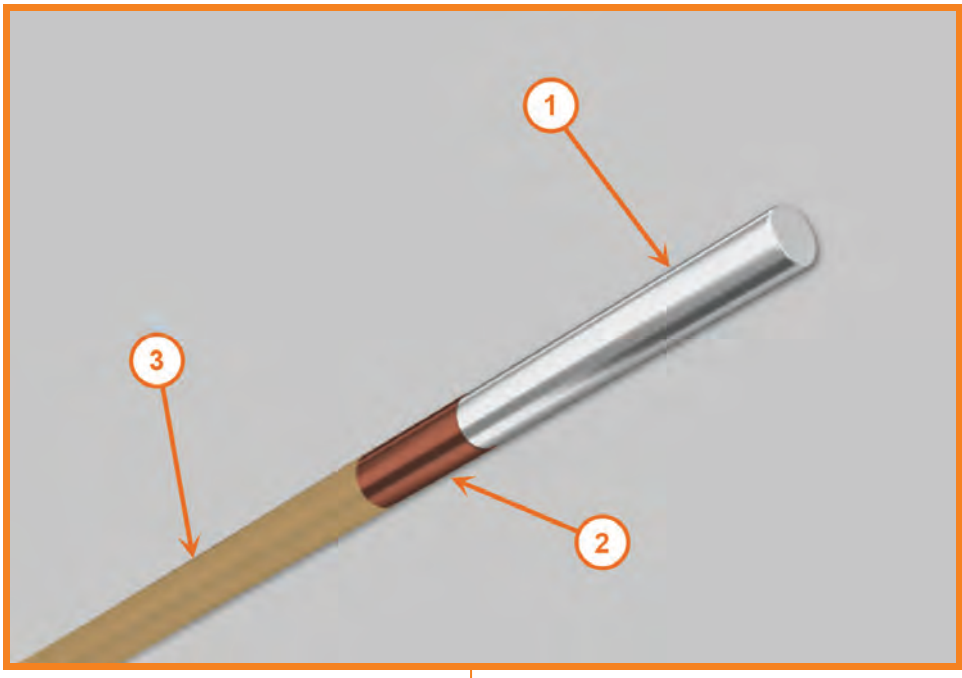

Descripción:

1. Round soft aluminum wire
2. Polyester imide resin as base coat
3. Modified polyamide imide resin as top coat

Application:

- Any kind of a. c. motors, whose speed is driven by adjustable frequency drivers, IGBT based technology devices and PWM drivers.
- High frequency dry transformers

Features:

- Aluminum magnet wire allows the production of economic coils due to the combination of a lower density (one third copper's) and a good electrical conductivity (61% IACS).
- Lower weight electrical equipments
- Longer life-time than any other magnet wire, on high frequency coils for ASD (adjustable speed drive) applications
- Excellent resistance to many chemical substances as solvents, oils, grease, gasoline and petroleum derivates.
- Excellent thermal stability
- Mechanical and electrical characteristics designed to achieve good performance during winding process and as a coil.
- Mechanical and electrical characteristics designed to achieve good performance during winding process and as a coil.
- When customers must choice triple or quadruple builds for common magnet wire, they use only heavy build Ultranel™ to achieve long life-time expectative.
- Excellent resistance to corona effect
- Low Coeficient of Friction of Ultranel™ makes easier winding and insertion processes, even with high slot filling percentage requirements.
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- NEMA MW-1000: MW 35-A y MW 37-A
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Please contact our Technical Deparment if the requested product should fulfill a different standard from those shown.

Thermal Class:

220 °C, class R

Color:

sepia

Special Features:

- Coils produced with Ultranel™ should not be exposed to extreme humidity.
- To avoid insulation damage during winding process, mechanical tension limits must be observed.

Certification:

Product certified by Underwriters Laboratories Inc. Records are available on File E87331.

How to order:

Ultranel™ magnet wire, aluminum round wire, gauge (AWG) or cross-section area (mm^2), heavy built, weight and package

ULTRANEL™ 220 °C

Round wire production range Ultranel™

Color	Build	Range	Bare wire diameter			
			Minimum		Maximum	
		AWG	mm	in	mm	in
Sepia	Heavy	14-22	0,635	0,0250	1,613	0,0635

These data may vary due to manufacturing tolerances.