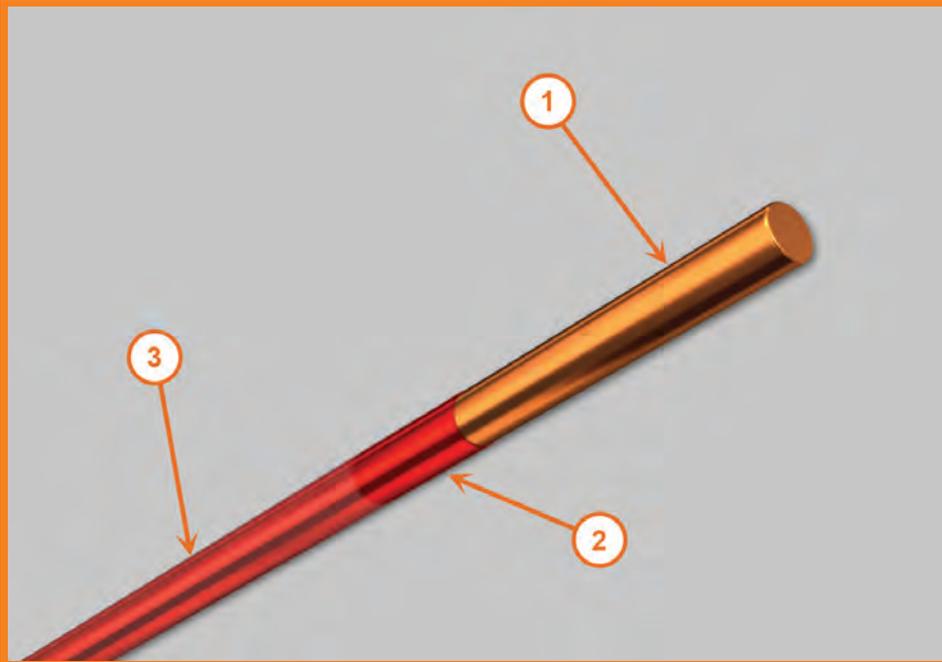


## Magnet Wire

### POLISOLDANEL™ NYLON 155 °C



#### Description:

1. Round soft copper wire
2. Modified polyurethane resin as base coat
3. Polyamide resin as top coat

#### Application:

- Low voltage transformers
- Relays
- Electronic coils
- Encapsulated coils
- Ballast
- Home appliance motors

#### Features:

- Good resistance to solvents used on impregnating varnishes or encapsulating, hardener and bonding resins.
- Excellent windability
- Polisoldanel™ Nylon has a good balance between mechanical properties (abrasion resistance and flexibility) and fast soldering.

#### Special Features:

- Coils produced with Polisoldanel™ Nylon should not be exposed to extreme humidity.
- Coils produced with Polisoldanel™ Nylon should not be exposed to overcharges.
- To get a good soldering performance, wire ends should be immersed in soldering fluxes before getting them into a soldering pot.

#### Standards:

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

- IEC 60317-21
- NMX-J-483-ANCE
- NEMA MW -1000: MW-80-C

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

#### Thermal Class:

155 °C, class F

#### Colors:

- red (typical)
- green
- clear
- blue

#### Recommended Soldering Conditions:

- The following conditions are suggested to get good soldering results:

14 to 19 AWG: 430 °C, 10 seconds  
 20 to 23 AWG: 430 °C, 8 seconds  
 24 to 29 AWG: 390 °C, 6 seconds  
 30 to 36 AWG: 390 °C, 5 seconds  
 37 to 44 AWG: 390 °C, 4 seconds

#### Certification:

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

#### How to order:

Polisoldanel™ Nylon magnet wire, round wire, gauge (AWG) or cross-section area (mm<sup>2</sup>), built (single or heavy), color, weight and package

## Magnet Wire

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### Round wire production range Polisoldanel™ Nylon

Color	Build	Range	Bare wire diameter			
			Minimum		Maximum	
		AWG	mm	in	mm	in
red (typical) green and clear	single	14-44	0.048	0.0019	1.643	0.0647
	heavy	14-44	0.048	0.0019	1.643	0.0647
blue	heavy	14-44	0.048	0.0019	1.643	0.0647

These data may vary due to manufacturing tolerances.