

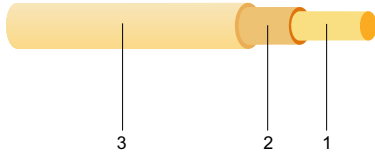


## MAGNET WIRE

# POLISOLDANEL™ NYLON 155°C

### DESCRIPTION

1. Solid circular soft copper conductor.
2. Insulation based on modified polyurethane resin.
3. Polyamide overcoat (nylon).



### APPLICATIONS:

- Motors for household appliances.
- Low voltage transformers.
- Relays, coils for electronic applications, encapsulated coils.
- Ballasts.

### THERMAL CLASS:

- 155°C, class F

### PROPERTIES:

- Good resistance to solvents used in impregnating varnish, encapsulants, and bonding agents.
- Excellent windability.
- POLISOLDANEL™ NYLON combines good mechanical characteristics (abrasion resistance, with excellent flexibility), and fast soldering.
- Excellent flexibility.

### GENERAL RECOMMENDATIONS:

- Do not use POLISOLDANEL™ NYLON for applications subject to excessive moisture conditions.
- Do not use POLISOLDANEL™ NYLON for applications where the product will be exposed to overload.
- Immerse wire ends in a flux, preferably neuter, before immersing in soldering.
- The following temperatures are recommended for the soldering process, using the times shown:
  - 14 to 19 AWG: 430° C, 10 sec.
  - 20 to 23 AWG: 430° C, 8 sec.
  - 24 to 29 AWG: 390° C, 6 sec.
  - 30 to 36 AWG: 390° C, 5 sec.
  - 37 to 46 AWG: 390° C, 4 sec.
  - 47 to 52 AWG: 360° C, 3 sec.

### SPECIFICATIONS:

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

- IEC 60317-21
- NMX-J-483
- NEMA MW 80-C

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

### COLORS:

- Red (typical)
- Green and amber
- Blue (14 to 52 AWG)

### CERTIFICATION:

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

### ORDERING INFORMATION:

- POLISOLDANEL™ NYLON magnet wire, gauge, construction (single or double), quantity and packing.

Note: For product manufacturing in aluminum, please contact our Sales Department.

#### ROUND POLISOLDANEL™ NYLON MANUFACTURING RANGE

COLOR		SINGLE	DOUBLE
Red (Typical)	Gauge	14 to 52 AWG	14 to 44 AWG
	Conductor Diameter	0.0198 to 1.613 mm (0.00078 to 0.0635")	0.048 to 1.613 mm (0.0019 to 0.0635")
	Gauge	14 to 52 AWG	14 to 44 AWG
Blue Green and Amber	Conductor Diameter	0.0198 to 1.613 mm (0.00078 to 0.0635")	0.048 to 1.613 mm (0.0019 to 0.0635")

Approximate data subject to normal manufacturing tolerances.