

Quadrakon P105[®] Magnet Wire

General description

QUADRAKON P105[®] belongs to our Quadrakon[®] family of square, rectangular, and large round conductors with different combinations of bare, enameled, and wrapped with tapes and fiber finishes.

By using several insulation types of thermally upgraded cellulosic papers (such as kraft or manila, creped or uncreped), this wire can be used in high power applications, among them oil-filled transformers. It can also be used to substitute square and rectangular enameled wires with Formacon[®] insulation.

The QUADRAKON P105[®] magnet wire is available with the following conductors:

- Copper UNS C11000
- Aluminum 1350
- Additional copper or aluminum alloys are available under special request

The QUADRAKON P105[®] magnet wire is recommended for use in electrical equipment with a thermal class of up to 105 °C when immersed in oil.

Specifications

Meets the requirements set forth in the following standards:

Thermal class (°C)	NEMA MW-1000
105	MW 31-C
105	MW 33-C

Typical characteristics

- Available in Round, Rectangular and Square shapes
- Various tempers
- Up to 16 tapes
- Tape thickness 0.003 inches
- Radii per NEMA MW 1000
- Please call for additional specialized constructions