

Winding wire DN1E 200 Ø 0,45mm Mass: 250g

We offer round insulated copper wire, with one layer of enamel insulation with a diameter of **Ø 0.45 mm**. Thanks to its excellent performance, it is an excellent choice for any professional who relies on excellent quality, reliability and convenience of use. This flexible, well-laying, weather-resistant and user-oriented product is ideal for even the most advanced production projects and any assembly, service and hobby work.

Wire technical parameters:

● Conductor diameter	Ø 0,45mm
● Conductor cross-section	0,16mm²
● Conductor diameter in SWG	SWG 26
● Manufacturer part number BQ MPN	DNE0.45/0.25
● Product normative classification	EI/AIW Class 200 Grade 1
● Conductor base material	Copper Cu
● Inner coat of dielectric enamel	Polyester amideTHEIC
● Outer coat of dielectric enamel	Polyamidoimid coat
● Min. outer diameter of insulated wire	Ø 0,472mm
● Max. outer diameter of isolated wire	Ø 0,491mm
● Minimum wire elongation at break	25 %
● Resistance to vibration, oscilation, overload	YES
● Resistance to aggressive chemical agents	YES
● Resistance to current and thermal shocks	YES
● Flame spreading resistance	YES – self-extinguishing type
● Wire connection method - electrical installation	Soldering, Crimping, Welding
● Winding wire temperature range	-65°C ÷ +200°C
● Wire thermoplasticity temperature	> +350°C
● Puncture voltage of the insulation layer	> 5kV
● Amount of wire per package - net weight	250 grams
● Approximate length of wire in the package	170 meters
● Packaging - way of wire confection	Evenly winded onto a spool
● Packaging material and dimensions - spools	Polipropylene Ø = 50mm / H = 42mm

We guarantee constant availability of items in stock and immediate shipping!

DN1E 200 single-enameled winding wires with **BQ** logo guarantee not only the world's highest product quality and the latest pro-environmental technologies, but also provide convenience and savings coming from reliability.

These wires are classified as **EI/AIW Class 200 Grade 1**, which means a single enameled insulation composed of polyesterimide and polyamide with an operating temperature of **-65°C** to **+200°C**. The use of such a coating provides exceptional softness, overload resistance, thermal and mechanical stability and allows a significant increase in puncture voltage to **> 5kV**. We offer this product in **38** most popular diameters from **Ø 0,15mm / SWG 38** to **Ø 2,50mm / SWG 12**

The wires are made of the highest quality copper of increased purity, insulated once with a two-layer enamel based on polyesterimide with an outer polyamidoimide coat. The wires thus made are extremely durable and, by having a very low coefficient of friction of the wire surface, have excellent mechanical abrasion resistance, which allows high speed of winding on modern high-speed winders, have excellent resistance to vibration and oscillation, are resistant to all kinds of thermal overloads and are characterized by excellent resistance to aggressive chemical agents such as solvents, diluters, lyes, saturating agents, flood masses, transformer oil, cooling agents and freons. These wires are dedicated to all applications that place above-average strength and thermal requirements, for equipment operating in extremely variable conditions and temperatures, and in particular for all kinds of coils, filters, choke windings, motors, transformers, power tools, generators, chillers and for all service and hobby work.

Winding wires are available in packs containing **250 grams** or **500 grams** of product. They are evenly and consistently wound into comfortable and fully recyclable plastic spool, with a diameter of **Ø = 50mm** with an internal guide hole **Ø = 20mm** and packed in a sealed cover made of transparent shrink film, which allows you to quickly find the necessary wire for mounting on the shelf of the warehouse, protects against oxidation, dust or insulation getting dirty during storage and always guarantees the final recipient the highest quality of the products when removed from the packaging.

Wire parameters meet **IEC Standards 60317-13**, **NEMA MW 35-C**, **ISO 9001**, **ISO 14001**, **PN-89/E-90200** (Polish standard), **VDE** (German standard), **BASEC** (UK standard), are approved for use on **EU** markets (standard 73/23/EEC) and **CE** marked (Directive 2006/95/EC) and comply with the requirements of the **RoHS** Environmental Directives (Act 2002/95/EU), **RoHS-2** (Act 2011/65/EU), **RoHS-3** (Act 2015/863) and comply with **REACH** requirements (Regulation 1907/2006).

At each request of the Recipient, we issue a certificate of conformity free of charge.

DN1E 200 winding wires with **BQ** logo can be used both for professional windings exposed to very high overloads and work in extremely harsh conditions and for simple hobby work. They are a great choice for those who value quality, reliability and comfort.