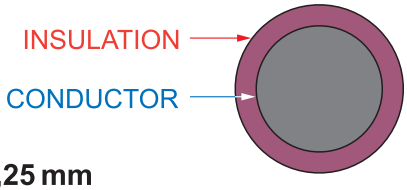
VEGA-TRONIK Commercial Office
01-910 Warszawa / POLAND ul. Lekka 3
tel. +48 22 817 80 80 / fax +48 22 817 80 81
biuro1@vega-tronik.pl / www.vega-tronik.eu

TECHNICAL SPECIFICATION & PRODUCT DESCRIPTION

KYNAR mounting wire wrapping wire 50 m Color: Violet

The offered wire has a conductive vein with a diameter of ∅ **0,25 mm** insulated with TEFLON **FEP**. Due to its excellent performance, it is a great choice for any professional who relies on perfect quality, reliability and convenience of use. This flexible, well-laying, resistant to surrounding conditions and convenient to use product is ideal for even the most advanced production projects and any assembly, service or hobby work.



Wire technical parameters :

Construction and diameter of solid conductor	**1 x ∅ 0,25 mm**
Nominal conductor cross-sectional area CSA	**0,05 mm²**
Wire conductor size in AWG inch system	**AWG 30**
Manufacturer product number BQ MPN	**KYNAR-VI/50**
Conductor core base material	**Oxygen Free Copper Cu OFC**
Conductor core coating material	**Silver Ag 999,99 SPC**
Conductor DC resistance at T=20°C	max. **0,374 Ω/m**
Conductor insulation material	**Teflon fluoropolymer FEP**
Outer diameter of mounting wire	∅ **0,55 mm** ± 0,05
RAL code number and wire insulation color	RAL 4005 **Violet**
Approximate net weight of wire	**0,88 g/m**
Resistance to vibration, oscillation, overload	**YES**
Resistance to aggressive chemical agents	**YES**
Resistance to flame propagation	**YES / Self - extinguishing type**
Method of electrical assembly and connecting	**Crimping, Soldering, Twisting**
Assembly in wire-wrapped connection system	**YES**
Maximum DC current rating of the wire	**5 Amps**
Rated AC operating voltage of the wire U_o / U	**250 V / 500V**
Breakdown voltage of the insulation	**> 4 kV**
Operating temperature range of the wire	**-65°C ÷ +200°C**
Length of wire section in package	**50 meters**
Approximate gross weight of the package	**0,05 kg**
Mounting wire packaging system	**Evenly wound on the spool**
Packaging material and dimensions - spools	**Polypropylene ∅ = 50 mm / H = 22 mm**
Packaging logistical security	**Thermo - shrinkable POF film cover**

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

KYNAR mounting wire wrapping wires with the **BQ** logo not only guarantee the highest global product quality and the latest production technologies, taking into account environmental protection, but also ensure comfort of use and savings resulting from reliability.

Silver plated soft copper wires with Teflon based insulation have an operating temperature in a very wide range from **-65°C** up to **+200°C**. Their homogeneous structure and precise workmanship ensure exceptional flexibility, ease of laying and installation, overload resistance, thermal and mechanical stability and guarantee excellent soldering with traditional and ecological alloys based on tin, silver and copper. This product is also ideal for wire wrapping connections and is available in **10** of the most popular colors, allowing significant savings in wire marking systems, eliminating the need for cable markers use and enabling quick identification of a given wire along the entire length of the harness, even in hard-to-reach places. This makes any service jobs or modernization works simpler and easier to perform.

The conductors of **KYNAR** mounting wires are made in the form of solid wire with a nominal diameter of **Ø 0,25 mm** / AWG 30 from the highest quality oxygen-free copper of excellent purity, electroplated with a homogeneous, smooth, shiny and sealed coating of chemically pure silver. The conductors are insulated with a thin-walled FEP Teflon-based insulating sheath, which allows for a significant increase in breakdown voltage up to > **4kV**. The wires made this way are extremely durable and due to having a very low coefficient of friction, the insulating surfaces have excellent resistance to mechanical abrasion, excellent resistance to vibration and oscillation, are resistant to all kinds of thermal and mechanical overloads and have excellent resistance to the most aggressive chemical agents such as solvents, thinners, fuels, lyes, saturating agents, flood masses, transformer oil, cooling agents and freons. These wires are dedicated to all applications that place very strict strength and thermal requirements, for equipment operating in extremely variable conditions and temperatures, and in particular for the execution all kinds of coils, windings or high-frequency antennas for wireless data transmission in telecommunications and computer devices, for making precise connections on single and multi-layer motherboards, connecting any electronic modules, making connections during prototype or laboratory work, repairing or modifying connections on rigid and flexible PCB boards, making jumpers or mounting bridges. Their exceptional thermal stability and mechanical resistance predispose them for use in mobile military equipment for connecting sensors and optical modules, tracking and radar devices in unmanned drones and reconnaissance vehicles, infrared weapon sights, laser target illuminators or control systems in warheads and in all other electronic devices operating at extremely variable temperatures, from desert heat to Arctic cold, as well as for all service and hobby work.

KYNAR mounting wires are supplied in sections of **50m** or **100m** of product. They are evenly and consistently wound on convenient to use and fully recyclable plastic spools, with outer 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 wire you need to use on the shelf in the warehouse, protects against oxidation, dust or insulation getting dirty during storage and always guarantees the end user the highest quality of wires after removing them from the packaging.

The wires have been made using **ISO 9001** and **ISO 14001** standards, are approved for use in **EU** markets and comply with the requirements of the environmental directives **RoHS-3** (2015/863/EU), **RoHS-2** (2011/65/EU), **RoHS** (2002/95/EU) and also comply with the requirements of **REACH** (Regulation 1907/2006) meeting regularly updated ECHA restrictions.

KYNAR mounting wires supplied by **BQ** can be used both, professionally for most low current connections exposed to very high overloads or operating under extremely harsh conditions, and for simple hobby work. They are an excellent choice for those who value quality, reliability and convenience.

BQ
CABLE
50
100
200