

Bekanickel® passport

What?

Bekaert Bekanickel® is a nickel coating for a wide range of core wires. Wonderful metallic aspect: mat and shining. Suitable for heat resistance applications. Trade Mark Bekanickel®

Properties

- Temperature resistance > 1200° C, due to the high melting point of 1453° C
- Completely closed coating
- Perfect crack free
- Good deformability
- High friction resistance
- Electrical conduction: regarding the coating thickness: Cu = 100, Ni = 25 (ref. Fe = 17, Sn = 15 and Zn = 30)
- Perfect welding
- The very nice shiny aspect has a long life-span.
- Corrosion resistance: salt spray corrosion resistance > 3.000 Hrs before 5% BR

Product info

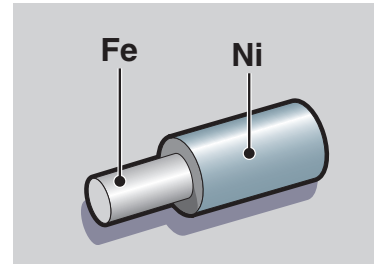
- Core wire: LoCa - HiCa - Stainless steel (other alloys on request).
- Diameter range: 0.40 - 4.00 mm
- Coating thickness:
 - 5 - 400 gr/m²
 - 0.5 - 45 μ
- Tensile strength: soft annealed; 1/4 - 1/2 - 3/4 tempered; hard drawn
- Surface: mat and shining

Ecology

Nickel coated: approved for the food industry. Certified by the Belgian Packing Industry regarding components with PH > 4,5. Nickel coated: corresponds with the VDA-232-101 "list forbidden components".

Applications

- thermal pins - for household appliances such as water heaters, toasters, flat-irons, washing machines...
- lamp leads - lighting industry
- coat hanger and pegboard hooks
- various (wire) forms



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