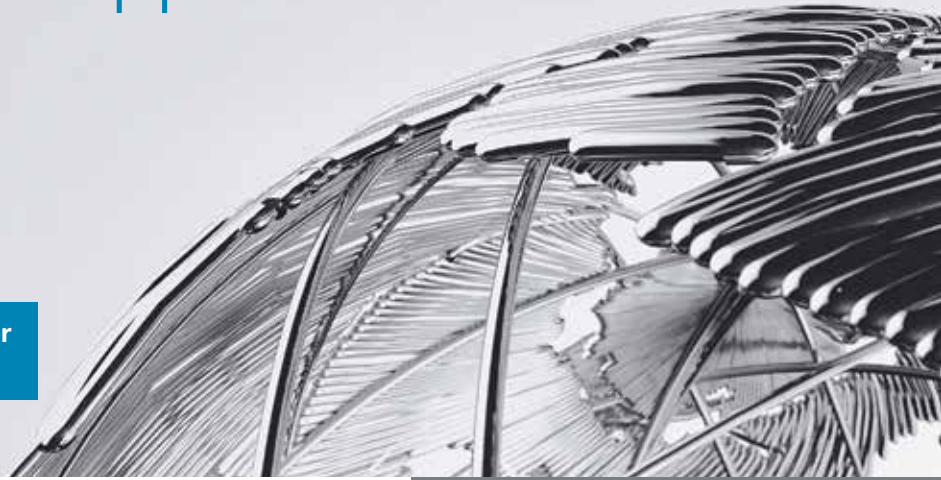


# Conductive yarns and cables for RFID applications

Durable, efficient data and energy transfer in any condition



## Benefits

1 Easy to process

2 100% machine washable

3 Discrete to the touch

Extend the flex life of your RFID tags even in the most demanding conditions. Bekinox® yarns are made of ultra-fine stainless steel filaments, whose conductive properties can be customized to enable safe, reliable and efficient energy and data transfer. The light and flexible yarns can be easily processed into the tag using standard textile process techniques like embroidery.



## RFID in laundry management

Bekinox® has been tested and approved in commercial laundry business. The yarns continuously provide a fast and accurate response time while being 100% machine washable. Its performance is proven to resist 200 washing cycles or more, at load pressures up to 60 bar. The flexible yarns can be discretely integrated into work wear, linen and other textiles without being noticeable to the touch.



## Why choose Bekaert?

### Solid partnership

Bekaert has the flexibility, experience and capabilities to create any steel yarns no matter what shape, composition or mechanical characteristic. We have been producing continuously for over 130 years, serving customers in over 120 countries.

### Experience

Bekaert is the pioneer in designing, developing and producing metal fiber products for a wide range of applications including solutions for smart textiles and wearable technology. Our long time experience has given us the flexibility and technical know-how to provide you with a solution that perfectly matches your quality and performance requirements.

### In-house R&D

To keep up with industries' evolving needs, we are strongly committed to innovation. Together with customers, independent research partners and in-house research facilities we are constantly creating new solutions.

## Product range

Depending on your specific needs, stainless steel wires can be customized to fit your needs

- Bekinox® VN: stainless steel multifilaments
- Bekiflex®: steel core with an outer layer of nickel, zinc or copper

For electrical insulation the wire can also be protected by a protective layer. A wide range of electrical resistances is available.

## Not sure which yarn or fiber to use?

Talk to our experts. They will gladly help you select the best solution for your specific application.

## Other RFID applications that could benefit from Bekaert's conductive fibers and yarns:

- Livestock identification
- Stock management
- Monitoring of critical operating information in tires
- ...

## Other applications of Bekinox® yarns

The unique conductive properties of Bekinox® stainless steel yarns benefits many types of smart textiles including, but not limited to, smart clothing, wearable technology and sensors.



Contact us

More  
Information?

Bekintex NV  
Industriepark Kwatrecht  
Neerhonderd 16  
BE - 9230 Wetteren

T +32 9 365 71 11  
ect.info@bekaert.com  
metalfibers.bekaert.com

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