



Why choose Bekaert?

Experience based capabilities

Bekaert has the flexibility, the historical background, and the technical skills to create any steel wire no matter what shape, composition or mechanical characteristic. We have been producing continuously for over 135 years and are available in over 120 countries.

Customer driven innovation

If there's a way for us to bring you to the next level, we'll find it. Because your designs and needs fuel our drive for innovation. We have an in-house engineering department which develops our own machinery, testing and process equipment to learn your requirements inside and out.

Your strategic partner

Our global presence means that your products are manufactured to strict international standards of safety and quality. Our local support means that we are at your service at all times. In the event of a question or concern, a trained professional will respond to you as soon as possible.

Bekinox® BK antistatic and EMI shielding spun yarns

Offering a high and durable electrical conductivity

What can we offer you?

Bekinox® BK is a range of single or multi-ply spun yarns. The yarns are a blend of Bekinox® stainless steel fibers with natural or synthetic fibers. This mix results in an efficient, conductive medium with antistatic and EMI shielding properties. Featuring thin diameters, Bekinox® BK yarns are very flexible and light.

Bekinox® BK guarantees the safety and quality of your products. The spun yarns processed into a correct fabric configuration meet the international EN 1149-5¹, EN 61340, ISO 6356 and DIN 54345-5 standards as well the OEKO-TEX® and REACH regulations that restrict harmful substances.

¹ according to test methods EN 1149-1 & 3

Benefits

- Easy to process using traditional textile technologies
- Durable performance even after numerous washes
- Prevents electrostatic charging
- Suppresses EMI up to 50 dB in a frequency range of 10 MHz to 10 GHz

How does it work?

Bekinox® BK antistatic yarn

Bekinox® BK yarns have an electrical resistance ranging from 10 to 40 Ω /cm. The spun yarns efficiently dissipate any electrostatic charges safely to the ground. As described in EN1149-5, it is essential for a person to be grounded at all times.

Bekinox® BK EMI shielding yarn

Bekinox® yarns shield up to 50 dB of electromagnetic radiation in a frequency range of 10 MHz to 10 GHz. The products maintain this performance even after long-time use and up to 200 industrial washes.

Bekaert is a world market and technology leader in steel wire transformation and coating technologies. To be the preferred supplier of steel wire products and solutions, we consistently deliver superior value to our customers worldwide. Bekaert (Euronext Brussels: BEKB) was established in 1880 and is a global company with approximately 30 000 employees worldwide.

Applications



- 1. Protective garments and sewing yarn:** provides optimal electrostatic protection, is comfortable to wear and easy to maintain.
- 2. Big bags:** prevents potentially dangerous discharges caused by electrostatic built-up while filling and emptying the bags.
- 3. EMI shielding fabric and sewing yarn:** protects against high levels of EMI.
- 4. Floor coverings and upholstery:** durable and wear resistant. Prevents electrostatic charge caused by friction.
- 5. Filter media:** provides excellent electrical conductive properties to the felt or woven fabric in order to prevent harmful discharges.

Would you like to know more about our products and services?

Feel free to contact us.

ect.info@bekaert.com

www.bekaert.com

Product range

Bekinox® BK composition	Count		Electrical resistance*
	Nm	Dtex	
Bekinox®/Polyester	20/2	1000	10 Ω/cm
Bekinox®/Polyester	50/1	200	25 Ω/cm
Bekinox®/Polyester	50/1	200	40 Ω/cm
Bekinox®/Polyester	50/2	400	20 Ω/cm
Bekinox®/Polyester	50/2	400	10 Ω/cm
Bekinox®/Polyester	50/3	600	15 Ω/cm
Bekinox®/Cotton	50/1	200	40 Ω/cm
Bekinox®/Cotton	50/2	400	20 Ω/cm

Other types available on demand - yarns can dyed upon request

*electrical resistance: measuring distance of electrodes = 5 cm

The electrical resistance is indicative. For exact values, please request a product specification.

Packing

- On cardboard cones of approximately 0.5 kg or 2 kg
- Cardboard boxes:
 - 50 cones of 0.5 kg or ± 25 kg net of yarn
 - 25 cones of 2 kg or ± 50 kg net of yarn

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