

Advanced Cords

Your peace. Our priority.

Relax and benefit from our R&D capabilities, high-performing steel cords and extruded products. You can count on us to deliver your material on time in industry-leading quality.



Small diameters

High fatigue resistance

Durable constructions in harsh conditions



**Engineered
to perfection
for the most
demanding
applications**

Fine cords for belt reinforcement

Industries around the globe rely on our expertise in fine steel cords. They reinforce **polyurethane belts** in **elevators** or **timing belts** for numerous technical applications.

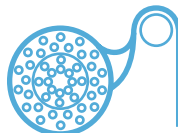
Technical data

- Wire diameters from 40 µm upwards
- Application specific designs with 3 to 182 wires
- Great variety of metallic and polymeric coatings



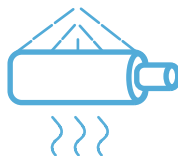
High strength

Whatever your specific requirements, our steel cords excel with exceptional breaking loads and outstanding strength.



Extreme bending fatigue resistance

Maximum fatigue resistance even under extreme bending stress. Unmatched smart engineering combined with patented technology.



State-of-the-art coating

Looking for tailor-made levels of corrosion protection, electrical conductivity, traction and adhesion? Our state-of-the-art coating technology enables us to address all these requirements.



Maximum downscaling

For performance in constrained spaces, our cords are the perfect solution. The finest wires we use are thinner than a hair.

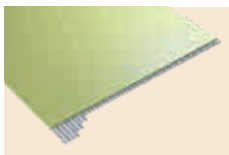
Applications

Elevator hoisting



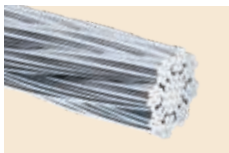
Flexisteel® is our **elevator rope**. It excels with a high breaking load, while the polymer coating guarantees excellent traction properties. Flexisteel® enables you to design elevators with smaller pulley diameters – so that passengers can enjoy more space in the cabin.

Flexible pipes



Our **steel cord tape Armofoir®** is perfect for a reinforcement layer on flexible pipelines in the energy sector. It's fast and easy to install, which saves time. Armofoir® provides enhanced protection against corrosion thanks to our special zinc coating process. Steel cord reinforced flexible pipes allow you to increase the application envelope towards higher pressures, diameters and temperatures.

Automotive industry



Opening and closing your car windows and doors by pressing a button is standard in many modern cars. Our **window regulator cords** and **coated power door actuator cords** play an important role in the mechanism. Resistance to corrosion and to bending fatigue are two key features of our steel cords to make the window mechanism work throughout its long lifetime.

Research and development

In our technical centers in Asia and Europe we co-develop with our customers the steel cords needed for applications where space might be a constraint. Our dedicated experts thrive on providing solutions with properties that go beyond today's industry standard. State-of-the-art testing equipment allows us to continuously provide our products in the best possible quality.



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Responsible editor: NV Bekaert SA - 06 2023