

Heating cables for SCR tubes and tanks

Versatile, flexible and strong

Benefits

- 1 Highly durable
- 2 Wide resistance range
- 3 Easy to process

Why choose Bekaert?

What can we offer you?

Bekaert offers an extensive range of heating cables for SCR tubes and tanks. They have been tested and approved in cars and heavy-duty vehicles, and are suitable for Euro 6/VI compliant vehicles. The range is extremely versatile. Simply choose the material combination and polymer coating that matches the specified electrical resistance and other requirements of the SCR system. The stable electrical resistivity of the heating cables leads to reliable and fast heating, and makes the cables resilient to temperature variations.

Another key characteristic is their durability, due to their high mechanical strength and corrosion resistance. A high degree of flexibility makes them easy to process around or inside SCR heating tubes.



Wirinox® - for superior conductivity and direct contact with AdBlue®

The reductant AdBlue®¹ is highly corrosive, so conventional heating cables are processed around an inner tube to avoid direct contact with AdBlue®. However, this slows down the heating process and requires more energy. Bekaert addresses these issues with its innovative Wirinox® heating cables. Thanks to their unique stainless steel copper construction, Wirinox® cables display excellent conductivity and corrosion resistance and can thus be used in direct contact with AdBlue®. This improves heating distribution, accelerates the heating process, and reduces energy consumption during heating.

¹ AdBlue® is the registered trademark for AUS32 (Aqueous Urea Solution 32.5%) or DEF (diesel exhaust fluid) that is used with the SCR system to reduce emissions of nitrogen oxides from the exhaust of diesel vehicles.

Solid partnership

Bekaert has the flexibility, experience and capabilities to create any steel wire 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. Our experience of over 40 years 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 and the type of SCR system, choose the optimal heating cable from our extensive range:

- **Bekinox® VN**: stainless steel microfilaments, allows direct contact with AdBlue®
- **Bekiflex®**: steel core with an outer layer of nickel, zinc or copper
- **Wirinox®**: copper core with a stainless steel outer layer, allows direct contact with AdBlue®

Overall diameters of Bekaert heating cables, including the coating, range between 0.6 and 1.5 mm; filament diameters start from 12 µm up to size you want.

Electrical resistances vary from 0,05 to 70 Ω/m. Many different polymer coatings are available.

The table below shows the most common used polymers, but other coatings are available in different thicknesses.

Coating	Melting point	Continuous service temperature
TPE	205 °C	165 °C
FEP	255 °C	205 °C
MFA	250 °C	225 °C

Not sure which heating cable to choose?

Talk to our heating cable experts. They will gladly help you select the optimum heating cable for your specific application.



Contact us

More information?

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