



Challenge nature and reach new heights

Increased line capacity

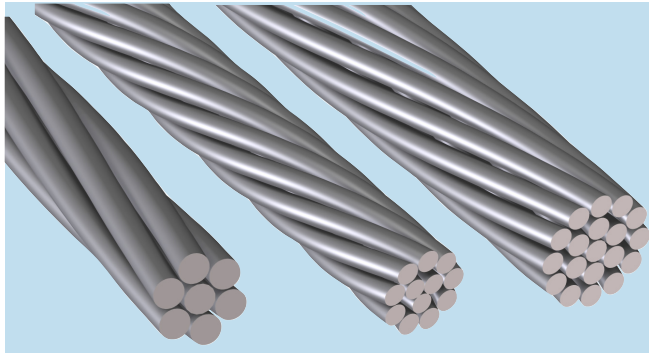
Reliability

Reduced project cost

Nature poses many challenges to a power supply. Installations need to cross mountains, rivers, or fjords and must withstand strong winds and extreme temperatures. Our mega strands can deal with these challenging environments.

Expand your horizon

While energy demand keeps increasing and ever more renewable energy is brought to the network, stronger technical solutions are needed to ensure power is efficiently conveyed to every household. Our advanced products allow you to expand your horizon and ensure an efficient power supply, whatever the geography or weather conditions.



Tailor-made design to fit your project

Advanced possibilities

- fully compliant with standard IEC 63248 (S7A, S8A)

- Bezinal® and Bezinal® 3000 (5MS7A, 5MS8A) coating for superior corrosion and heat protection

Benefits of our Mega & Giga strands

Whether you need to install higher or lower towers, reduce the sag, or increase the strength or ampacity of your power line, we can design and produce the wire or strand that you need.

Cover longer stretches of land

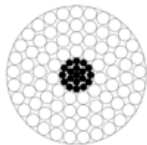
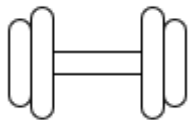
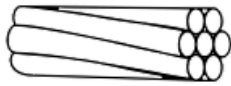
Enlarge the distance between towers and cross obstacles instead of circumventing them.

Reduce total project costs

More distance between towers means fewer towers over your complete project with less civil/engineering work and therefore important savings.

Protect your investment

There is no need to use tailor-made clamping system. Our steel cores are a long-term industry-proven and the most cost-effective solution.



Your project, your strand

With a higher tensile strength, a whole new world of possibilities opens up.

Same conductor Ø + Increased strength + Same aluminum section

- allows decreasing the height of the tower with less sag or increasing the span keeping the sag the same

Same conductor Ø + Same strength + Bigger aluminum section

- allows increasing the ampacity of the line or reducing losses while keeping the same ampacity

Smaller conductor Ø + Same strength + Same aluminum section

- gives the possibility to use lighter towers thanks to lower conductor weight and less wind & ice loadings

White paper:
Cigre B2 203 Paris 2022

Mega High Strength steel core for HTLS conductor on 2nd Scheldt long span crossing of new 380 kV OHL in the port of Antwerp

Crossing the river Scheldt - Brabo Project

Elia's Brabo project was aimed at facilitating electricity transmission in Belgium and trading power with the Netherlands. This major infrastructure investment enabled the crossing of a long span of the river Scheldt in the port of Antwerp.

An HTLS conductor was used for the first time in Belgium. The project was feasible only thanks to the development of Bekaert's high-tensile strength steel wires.

bekaert.com/high-tensile-steel-cores-for-overhead-power-lines →

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