Mega & Giga wire and strands for conductors

Strength members for overhead power lines allowing increased conductivity for the same line infrastructure

Overhead power line conductors

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Key trends in overhead energy transmission

- The overhead line product market is a highly competitive **and rapidly evolving market.**
- Conductor technology has been revolutionized by the **introduction of new materials, components, and systems** that enable the safe and reliable transmission and distribution of electricity.
- The increasing number of power lines being built across the world is creating a **growing demand for overhead line products**, especially true in emerging countries, where the demand for electricity is rising rapidly.

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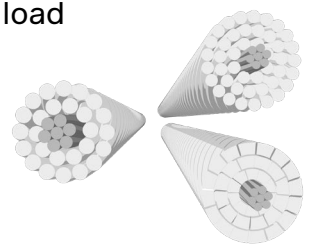
Transmission

Power transmission

Mega & Giga strength members for overhead power lines

Innovation to power the future

- Energy security and grid stability, along with higher costs, associated with building a **sustainable electrical network** is a response to growing power use
- High thermal resistance, thermal sag, and additional sag caused by various load situations, such as ice loading and severe winds, long-distance overhead conductors must be exceptionally strong



High tensile steel core to your benefits

Increase capacity

- Operating at higher temperatures without exceeding existing sag and ground clearances resulting in **higher energy transfer**

Reduce power losses

- More efficient conductor core can results **in less energy losses**, possibly even up to 20%

Reduce total project cost

- An ideal **solution for hardly accessible places and new projects**

Meet special conditions

- **Preferable solution for locations facing extreme weather conditions** such as heavy ice and wind loadings

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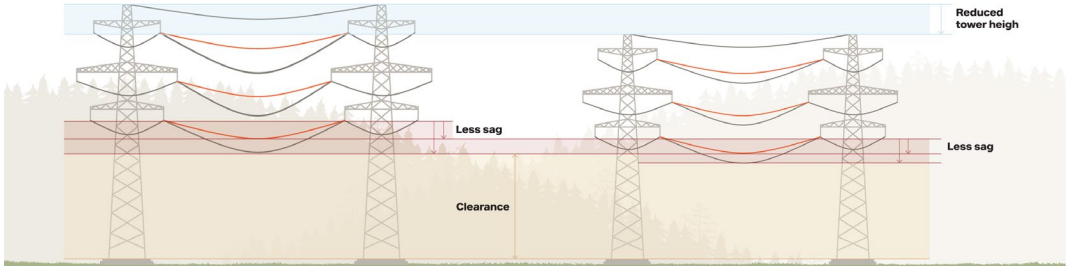
Transmission

Power transmission

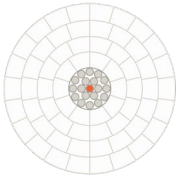
Mega & Giga strength members for overhead power lines

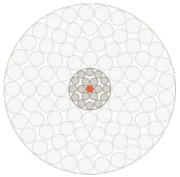
Mega & Giga wire and strands for conductors

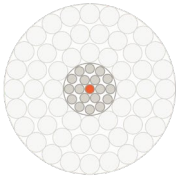
- Mega and Giga strands are **innovative higher tensile steel cores** whose designs are compatible with the current proven designs of conductors.
- Conductors supported by either of these steel cores can **operate at higher temperatures and withstand higher mechanical stresses** while allowing you to optimize your costs.
- Mega and Giga (S7A & S8A) wires & cores are **now included in the latest norm - EN IEC 63248:2022**, which has finally backboned our long-term used solution



Cope with extreme weather conditions







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