



Building

Securing suspended structures

- **Reinforcement (holding) of the roofs:** Rope wire, Z-shaped wire

Key trends

- **Growing market** thanks to the multifunctional purpose (sport, concerts, art, ...)
- Suspended structure for **optimal spectator view**
- **Slender and appealing design** thanks to fine ropes



Rope wire, Z-shaped wire

Challenges

- Maximum strength to **weight/diameter ratio**
- **Corrosion lifetime** of the ropes
- **Axial stiffness** of the rope
- Total **CO₂ emission** of the project

Benefits



- **High tensile** round and Z-shaped wires
- Advanced coating **Bezinal®** and **Bezinal®3000**
- **Optimal fill factor** of the rope thanks to the Z- shaped wires
- **Lower steel consumption** thanks to minimum rope diameter for a given breaking load



Rope wire, Z-shaped wire

Product features

- Advanced coatings zinc, Bezinal®, Bezinal®3000 for corrosion protection of the shaped wires
- Ultra high tensile strength of round and Z-shaped wires upon request
- Z-Shaped wires for advanced locked coil rope constructions

