Airborne.

Our overhead conductors are perfectly adapted to the European skies.

Prysmian Group

The value of long-lasting quality.

In 1998, Prysmian Group Hungary took part in connecting two continents, Europe and Asia, in the skies crossing the Bosporus. We delivered a 12 times 3,2 km long, 400 kV, 187 stranded wire overhead line, weighing 21 tons. It makes its way across the waters on mighty pylons reaching 160 meters up in the air. More than 20 years later it is relentlessly bringing power to the people. And, thanks to the state-of-the-art quality, it will continue to do so for many years to come.

We're on the air!

Our aerial optical fibre cables keep everyone on-line

To make our overhead selection complete we also offer state-of-the-art aerial optical fibre cables manufactured at our plant in Romania, including:

- **ADSS Loose Tube Cables**
- **ADSS Flextube Cables**
- **Oval Aerial Cables**
- **Figure 8 Aerial Cables**
- **Aerial Drop Cables**

Want to know more?
Please contact your local sales representative for more details.

Our overhead conductors are perfectly adapted to the European skies.

What's Hungarian and spans the European skies? Prysmian Hungary's overhead conductors of course! From low voltage to high voltage, and everything in between, our cables can be tailor-made to fit your specific needs. Fully compliant to European Standards, we give you the power to soar.

Made in Hungary

What we offer

Our offer includes HV cables and systems for reliable, safe and easy managed power transmission; MV cables and systems to connect buildings to the primary distribution networks; and LV cables and systems for power distribution and wiring of buildings. And, to make it all run like clockwork, we of course provide you with made-to-measure components such as joints, connectors and terminations for industrial, building and infrastructure applications, as well as for power distribution.

Made locally

At Prysmian Hungary, we provide customers and communities in Europe and beyond with cable solutions based on state-of-the-art technology, consistent excellence in execution and in-depth understanding of the needs of an evolving market. At our plant in Balassagyarmat we have specialised in designing and manufacturing overhead conductors strong and durable enough to supply people with energy for decades.

COMMITTED TO INNOVATION

Sustainable overhead conductors double the ampacity.

Thanks to our new innovative High Temperature technology, you can now upgrade your existing overhead lines by simply replacing the conductors. By using special alloys, we can increase the ampacity with up to 2 times using the same conductor's cross-section. At the same time, we've lowered the thermal expansion coefficient allowing for a reduced sag at high temperatures. Same lane – double strain.

Prysmian Group

Products

BARE OVERHEAD CONDUCTORS

All aluminium conductors

Aluminium wire ropes used on columns and attached to insulators, especially in medium and low voltage distribution networks. The structure of the wire is single or multi-layered. In the case of several layers, the outer layer always has a right-hand thread, the other layers alternately have a right-hand or a left-hand thread.

All aluminium alloy conductors

Alloyed aluminium wire ropes mostly used in medium voltage distribution networks. Their tensile strength is much higher than that of all aluminium wire. The wire is single or multi-layered. In the case of several layers, the outer layer always has a right thread, the other layers alternately have a left or a right thread.

Steel reinforced aluminium and steel alloy aluminium conductors

Steel reinforced wire ropes are mainly used as high-voltage transmission lines, mounted on poles and attached to insulators. The conductor consists of galvanized steel wire or galvanized steel wire and a single or multilayer aluminium ring twisted above them. Upon special request the inner layers can be coeated with anti-corrosion grease.

Stranded galvanised steel conductors

Steel wire ropes primarily used as earthing and lightning protection wires. The conductor is made of galvanized steel wire with one or more layers of twist. The outer layer flow is always right-handed.

INSULATED OVERHEAD CONDUCTORS

XLPE insulated conductors

Compressed aluminium wires with cold-resistant XLPE insulation up to -40 °C. Used in distribution networks for outdoor connection of wires and objects resistant to environmental influences such as cold and sunlight.

Bundled ariel conductors

Twisted aluminium or aluminium alloy conductors with weatherproof cross linked polyethylene insulation. Insulated conductors, if their number is two or more, are provided with signal ribs. Used in distribution networks for outdoor connection of wires and objects resistant to environmental influences such as cold and sunlight.

Covered conductors

Our BSZV and CCX 20 kV type, compact aluminium alloy stranded conductor with weatherproof, cross-linked polyethylene (XLPE) grease coating. The conductor can be used on a 20 kV network, taking advantage of reduced phase distances. Upon special request the inner layers can be coeated with anti-corrosion grease.

COPPER OVERHEAD CONDUCTORS

Hard-drawn copper conductors

Copper wire with single or multilayer twisting. The direction flow of the outer layer is always right. The specifications for the raw material of copper wires are contained in standard DIN 48201/1.

Linking the future

Prysmian Group

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