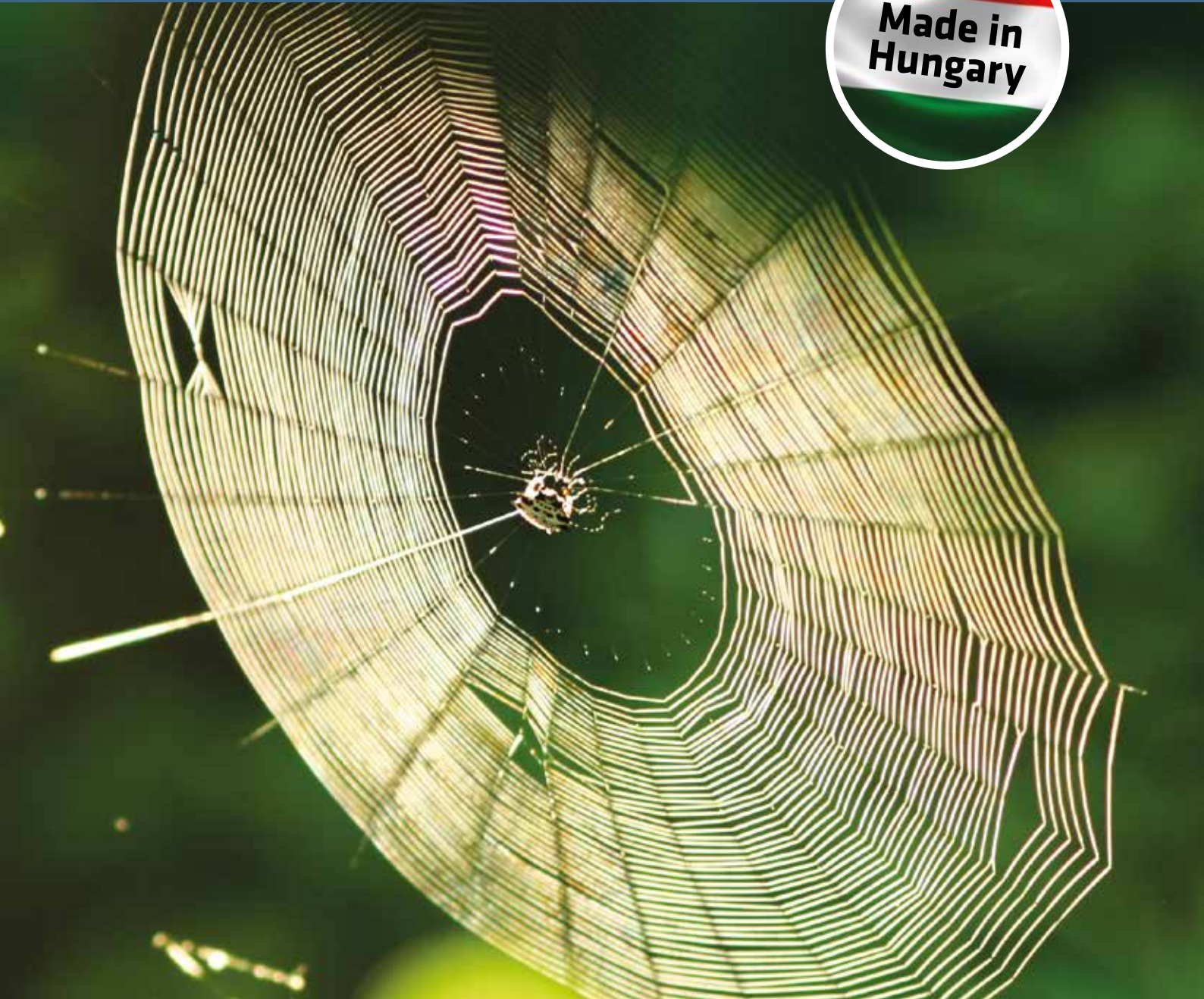


# Build your networks wider.

Our complete MV offer expands your options.



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Group



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COMMITTED TO INNOVATION

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# PRY-CAM, wireless cable monitoring.

*"With PRY-CAM we want to revolutionise the world of diagnostics and monitoring of electrical systems."*

Roberto Candela, CEO, Prysmian Electronics

Right now, the measuring of partial discharge in MV and HV power grids is undergoing a paradigm shift. Thanks to our new, wireless, technology you can measure and monitor the cables' condition in real time from a distance, without any service interruptions. Compared to traditional technology it is significantly safer, faster, cheaper and, not the least, much more reliable.

In addition you get full control over all data. As you are doing all the monitoring yourself, and don't need any external expert, you can store all the intelligence you gather in the so called "cloud". 24/7 you can extract the data to obtain new knowledge on which you can make conscious and thought through decision on future investments. PRY-CAM ensures that you will have everything in your own hands.

Do you want to know more?

Visit our website: [www.prysmiangroup.com](http://www.prysmiangroup.com)

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# Our complete MV offer expands your options.

We exist to help you distribute the energy that powers every aspect of the world. Our product portfolio includes the lot. From state-of-the-art MV cable systems connected to the distribution network, to all the connection appliances and services that you might need. The red thread binding it all together are custom-made solutions fitting like hand in glove.



## What we offer

We offer a wide range of medium voltage cables for the commercial, industrial and urban residential networks. Our electrical equipment is developed and manufactured with top quality in mind, to make sure you are receiving reliable products living up to the highest standards and certifications. In addition, we provide engineering services capable of fulfilling any power system specification or requirement and of delivering customised solutions, including installation.

## 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 Centre of Excellence in Kistelek we have specialised in designing and manufacturing safe and long-lasting medium voltage cables.

## Plastics in Practise

Have you ever thought of the different plastics in cables, and why – or when – you should choose one type over the other? Here's a short introduction and advantages with different kinds of plastics when used in cables.

## PVC

PVC, or Polyvinyl chloride, is a very adaptable and flexible material common in various types of equipment. Thanks to the tensile strength of PVC cables in combination with flexibility, good conductivity properties and ease of jointing, they are often used in areas such as house wiring, home appliances, instrumentation cables and power supply solutions.

## PE

PE stands for Polyethylene, another plastic material. It is highly robust and hard-wearing, which makes it ideal for burial installations. However, PE tends to burn when exposed to very high temperatures, and is thus not suitable for installations in buildings frequently visited by people or animals.

## XLPE

Cross-linked polyethylene, XLPE, is also a polyethylene. Just as PE this type is hard-wearing with a high resistance to chemicals and moisture. In addition, XLPE is more resilient to heat and keeps its shape after heating. The characteristics make the material great as cable insulation and for cables intended for burial installation.







# Products

At Prysmian Hungary we can offer a wide range of MV cables with diverse design options depending on reference standards and customer requirements. All our MV cables are supplied with XLPE insulation to ensure top quality resilience to chemicals, moisture and heat.

## **Conductors with PVC insulation and sheath**

3.6/6 kV cables. Can be installed in free air, buried directly or in trenches and ducts.

## **3-core conductors with PE sheath**

6/10, 12/20, 18/30 and 20/36 kV conductors for outdoor application and protected from solar radiation. Can be buried directly or in trenches and ducts.

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# Linking the future

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