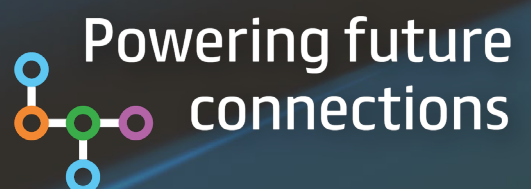


# Powering future connections

Delivering the best quality products to ensure railway systems are more efficient than ever before.



**Prysmian**  
Group



Powering future  
connections



# Powering future connections

HS2 is Britain's new high speed railway that will become the backbone of the UK's rail transport network. Connecting towns in the South, the Midlands, and the North, HS2 will provide faster, easier and more reliable travel.

Prysmian Group is powering these future connections by manufacturing and delivering the best quality products to ensure these railway systems are more efficient than ever before.

As a world leader in the cable and telecoms industry, we excel in providing the best quality products and offering the best solutions required for the job. We can be relied upon to deliver:

## Dependable supply



Products are manufactured and designed in the UK for consistent use on and off the tracks. It enables us to reduce our carbon emissions and be more sustainable.

## Proven expertise



Prysmian is the world's leading cable manufacturer and has proudly powered global projects for over 140 years.

## Safer, simpler complete solutions

**140 yrs**

We plan, design, test, manufacture and deliver cable that protects and enhances lives.







We can supply a range of products that will power up and create better connections in the construction of stations and tunnels, railway systems and rolling stock. Click the boxes below to find out more:

[Stations & tunnels](#)

[Railway systems](#)

[Rolling stock](#)



# Construction of stations and tunnels



Prysmian Group offers a full range of building wires, power cables and components – all tested and fully compliant to current regulations – for station and tunnel construction. Our building wires provide secure, reliable power for any building or structure and includes cables designed to tackle flame propagation.

Whilst our successful history in high voltage cable systems, which has led to the development of a comprehensive range of accessories, and we can make and supply cable from 66kV upwards.

## Building Wires



We manufacture a range of electrical cable that are manufactured to the highest standards.

## Power cables



Our products are locally manufactured and designed in the UK for use on and off the tracks

## Installation - 132kV+



Our products are locally manufactured and designed in the UK for use on and off the tracks

Additionally, We are power distribution cable experts. We can power rail stations, electric vehicle charge points, offer trackside power through track feeder cable, and provide power to car parks surrounding utilities. Our medium voltage cables are manufactured to world-renowned and our customers trust us with supplying the highest standards of electrical equipment.





Our connectivity and components ranges provide uninterrupted end to end communication for systems and services across the globe. We are at the heart of a network of world-leading telecom operators offering specialised network solutions which enable high-speed connectivity.

We test the cable for functionality and performance, and during testing, we do installation trials. Our hybrid cable construction (optical and cable conductors), enable us to deliver 4G and 5G within a tunnel infrastructure.

### Telecom cables and connectivity



We are at the heart of a network of world-leading telecom operators offering specialised network solutions which enable high-speed connectivity.

### Cable accessories



Prysmian Group also offers a complete range of cable accessories, which includes modular wiring, glands, cable cleats and fire resistant joints.





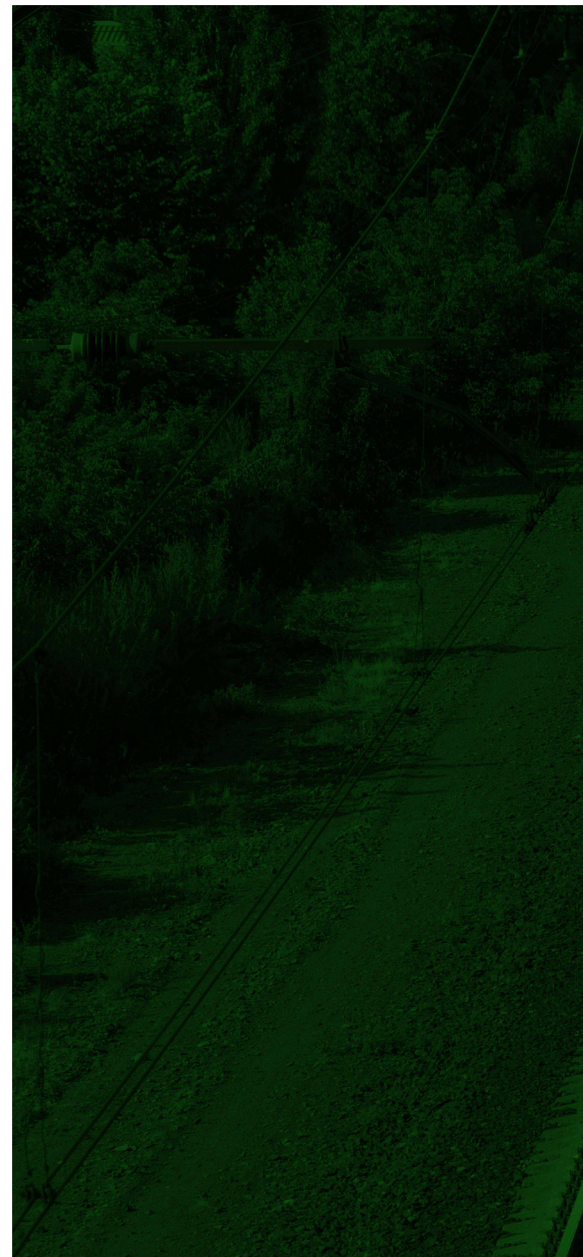
# Railway Systems

To adapt to rapid urbanisation and escalating customer expectations, the railway industry is continuously modernising its systems.

Railway systems are the power, signalling and communications systems that use low and medium voltage cables, catenary systems, as well as optical fibre and cable accessories.

Prysmian Group is powering future connections by manufacturing and delivering the best quality products to ensure railway systems are more efficient than ever before.

Our comprehensive range of railway and underground cables cover all applications such as signalling and control devices that operate, track switches and optical signalling systems, the backhaul of actuators and the control loops in conventional or electronic track-control centres.



We offer medium and low-voltage power cables, communication cables, control and signalling cables, fibre cables, data cables to fulfil the requirements of different specifications.





As well as providing data and connectivity, our optical fibre can also be utilised for controlling systems, transferring information for car parking, ticketing, switching, mechanical engineering, CCTV surveillance and car parks.

We are one of the world's largest optical providers and producers, and our continuity of supply offers great peace of mind to our clients. We design and manufacture cable that greatly enhances connectivity.

Clients can depend on our designs and services, and we go the extra mile to ensure they have the best connectivity by testing cable for functionality and performance.



At Prysmian Group, we are powering future connections not only through the construction of stations and tunnels and railway systems, but by linking rolling stock with the latest in lightweight, flexible cable technology.



Rising customer expectations and rapid technological changes are driving change in the rolling stock supply chain. As the world leader in the energy and telecom cable systems industry, we're driving product innovation through reducing the size and weight of cables, as well as minimising the wall thickness of insulation and outer sheaths.

We can be relied upon to do all this whilst maintain or enhancing the performance of the rolling stock.

Our products have been specially designed to incorporate materials that improve its electrical, mechanical, and thermal capabilities. We have a range of products that also provide enhanced fire performance and increased life expectancy using sophisticated advanced technologies.





We are the only cable manufacturer offering a full range of products according to European and American standards, from power to instrumentation cables, to databus, to pantograph and jumper solutions.

Our products have been utilised on a number of high speed trains around the world, and our clients have included: Siemens and Hitachi Rail and Alstom.



Advanced on-board technology requirements, including enhanced data and power transmission mean a growing number of cables are needed on rolling stock vehicles and carriages, including tramlines, underground and mass transit lines, but also diesel and regional trains.



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