



DATA CENTRE SOLUTIONS

EMPOWERING TOMORROW'S WORLD

THE WORLD LEADER IN ENERGY AND TELECOMS CABLE SYSTEMS

We provide high-quality cable solutions with advanced technology for lasting growth and profits. Our commitment to excellence and innovation ensures sustainable profitability. Additionally, we prioritize being a trusted partner and our values guide our actions. Prysmian, the global leader in the energy and telecom cables sector, scored 100 points in the 2023 Dow Jones Sustainability World Index in the environmental areas of Emissions, Resource Efficiency and Circularity, Waste and Water, reaffirming its focus and attention on these topics.



OUR COMMITMENT

Our commitment to a low-carbon future remains unwavering as we strive to create sustainable solutions while upholding quality standards. We prioritize sustainability and environmental protection in our daily operations, collaborating with local communities to ensure workplace safety and safeguard the areas we operate in.



OUR GOALS

Our goals focus on sustainability leadership, transitioning to a low-carbon world, and fostering an inclusive work environment. Prysmian Group's Climate Change Ambition aligns with the Paris Agreement, targeting emissions reduction and neutralization. Our Social Ambition aims to enhance diversity, equality, and inclusion by 2030, empowering women and prioritizing community engagement.

CARBON FOOTPRINT

Prysmian aims to reduce its environmental impact by minimizing emissions across operations, supply chains, and product lifecycles.

This involves using renewable energy, energy efficient practices, and optimizing production processes.

Prysmian also focuses on developing low-carbon solutions to support the global shift to sustainable energy and digitalization. By integrating sustainability into its business strategies, Prysmian aims to combat climate change while delivering quality products and services.



SETTING THE STANDARD FOR ECO-CONSCIOUS PRACTICES

An invaluable business growth opportunity fueled by sustainability.



Prysmian proudly introduces ECO CABLE, a pioneering eco-labeling system tailored specifically for the cable industry. This innovative approach, built upon EU-ecolabel standards, sets a new benchmark for sustainability in cable manufacturing. ECO CABLE uses measurable and known assessment criteria to summarize the contribution that cables can provide, in terms of climate change effect, paving the way for the cable industry to be included into eco or green labelling systems. Sustainability is not just a goal, it's our commitment at Prysmian. We embed sustainability into every strand of our operations, striving not just for excellence but for sustainable excellence. It's who we are, it's what we do.



Assigned to cables that conform to the established eco-cable criteria.

Designated for cables that not only satisfy the eco-cable criteria but also demonstrate compliance with halogen-free specifications.

Measurable and internationally recognized criteria that facilitate the classification of cables within the 'eco-cable' category based on quantifiable parameters.



Carbon footprint

Aimed at defining climate change impacts deriving from cables life cycle



Toxic Substances

Absence of CMR or Toxic / Hazardous to Environment substances in the cable



Recyclable materials

Presence of potentially recyclable material, possibility to reclaim / recover



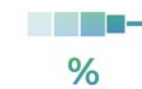
Environmental Benefits

Low carbon products (including cables used for green energy sources), CPR compliant products



Fabricated with Recycled Materials

Presence of recycled materials in cable, both purchased and reused



Efficiency in Cable Transmission

Cable transmission efficiency (performance) contributes to define products sustainability

Our Sustainability Priorities

- Facilitate the deployment of accessible energy and innovation in telecommunications and infrastructure.
- Pursue the responsible consumption of natural resources and sustainable supplies.
- Contribute to the development of people and local communities.

Our plants rely entirely on eco-friendly, renewable energy sources. In 2024, we enhance our in-house solar energy production capacity from 6 MW to 14 MW, fostering a brighter future for sustainable energy generation.



Sustainable Development Goals – Prysmian aligns its corporate framework with the 17 Sustainable Development Goals (SDGs) defined in the UN 2030 Agenda. The SDGs and their targets identify the global priorities and define an integrated plan of action for people, planet, prosperity and peace.



Science Based Goals - Prysmian's emissions reduction strategy aligns with the guidelines set forth by the Science Based Targets Initiative (SBTi) in accordance with climate objectives.



Responsible Mica Initiative - In 2021, Prysmian joined - as the first cables sector business - the Responsible Mica Initiative (RMI), which is a non-profit organisation dedicated to the elimination of child labour and precarious working conditions in the mica supply chain.

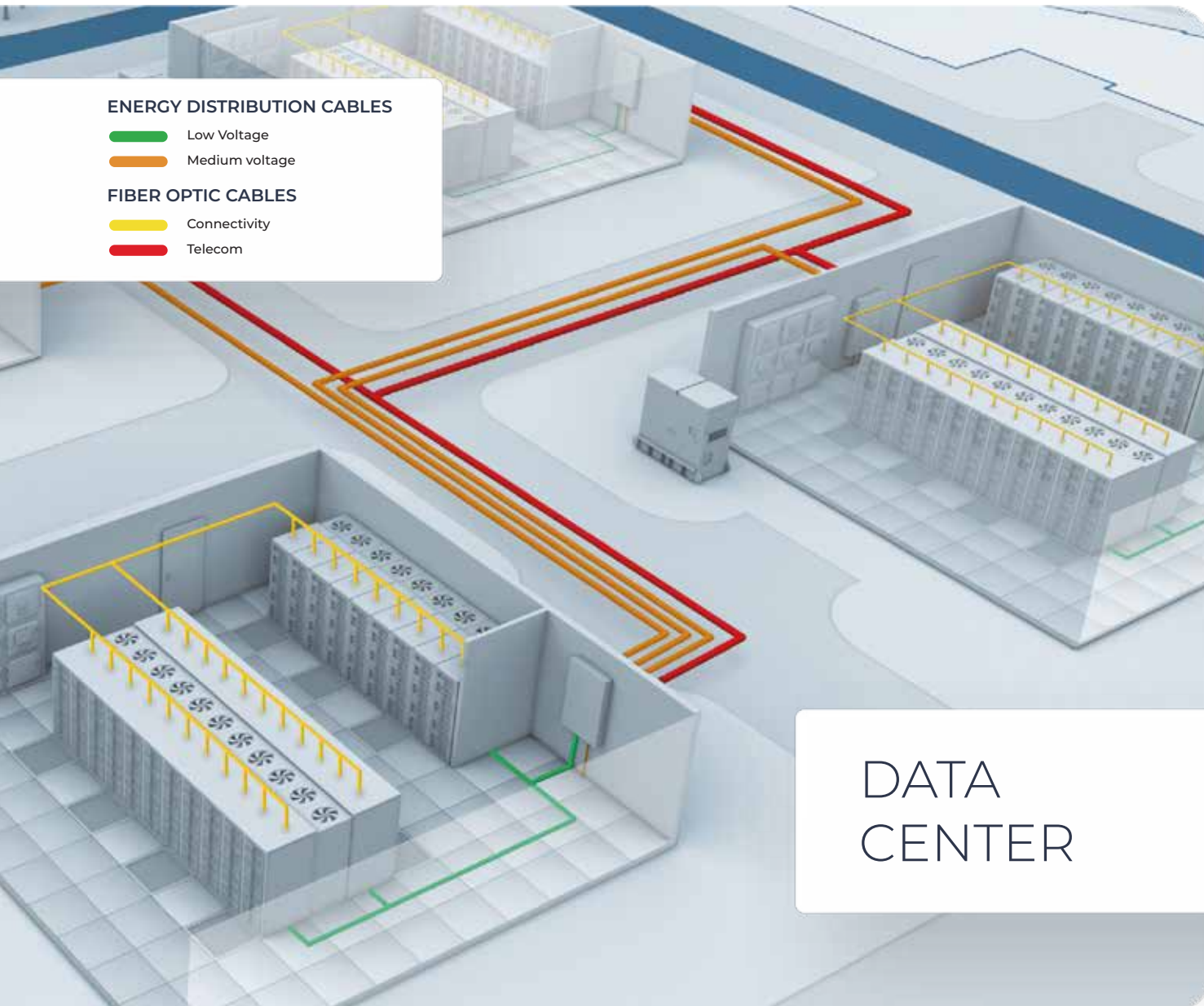


DATA CENTER

Virtual Reality. Augmented Reality. 5G. IoT. The smart home. Automated cars. Remote surgery. All require enhanced performance, demanding increased fiber optics, faster data transmission, ample power, and robust computing.

Reliable, secure, and adaptable infrastructure is crucial. Data centers, often overlooked, are vital for communities, storing, communicating, and transporting vast amounts of data. As data volume grows, data centers become even more critical, especially with next-gen applications.

Yet, many current data centers are outdated and inefficient. Slow or unreliable data access leads to decreased customer satisfaction, revenue loss, and inaccessible vital services.



As the world's largest energy and telecoms manufacturer, **Prysmian** is uniquely positioned to assist data center operators in meeting the demands of these new applications and exponential growth, both locally and globally. Your data center challenges can be addressed.

We focus on developing cutting-edge solutions to address the ever-growing bandwidth concerns:



Downtime Threats

Downtime is a significant issue for data center operators and business owners alike. Low-quality cables or lengthy installation times are primary causes of downtime.



Scaling Challenges

Scalability is crucial to accommodate next-generation applications, yet many operators struggle to provide adequate infrastructure.



Space Restrictions

Operators must handle increasing volumes of fiber in and out of their data centers, often with legacy infrastructures.



Prysmian offers comprehensive solutions.

PowerCenter

ENERGY CABLES FOR DATA CENTERS

Low voltage halogen - free installation cables

N2XH

B2ca
CPR

N2XH B2ca s1a d1 a1 cables with copper conductors are Low Smoke Zero Halogen (LSZH), recommended for fixed installations in public buildings, industrial complexes and everywhere where people safety is mandatory.



Product sheet

N2XCH

N2XCH cables are specifically designed with enhanced fire-resistant properties, tailored for critical environments like hospitals, schools, and similar structures. These cables are halogen-free and emit minimal smoke, ensuring safety during fire incidents.



Product sheet

NHXMH

B2ca
CPR

NHXMH B2ca s1a d1 a1 cables are designed with improved fire-resistant qualities, suitable for building and industrial installations.



Product sheet

Low voltage flexible cables

H07ZZ-F

B2ca
CPR



Product sheet



H07ZZ-F B2ca s1a d1 a1 is a high-performance, flexible power cable that meets the highest safety standards for fire, smoke and toxicity (LSZH). Designed for applications where human life and valuable equipment are at risk from fire hazards. Suited to installation both indoors and outdoors.

H07RN-F



Product sheet



H07RN-F cables are suitable for use in various environments, especially for transportable motors or machines on construction sites or in agricultural settings, even in explosive or flammable atmospheres.

RZ1-K

B2ca
CPR

COMING
SOON



RZ1-K B2ca s1a d1 a1 cable is a low smoke halogen-free and easy stripable cable, ideal for public places like hospitals, schools, airports and similar. It helps to protect people and electronics from harmful or corrosive gasses in case of fire.



Low voltage earthing cable

H07Z-R



Product sheet



H07Z-R cables are used for fixed protected installations, including lighting fittings, switch and control gears. They are suitable for environments where the risk of fire, smoke emission, and toxic smoke poses a threat to life and equipment.

PowerCenter

ENERGY CABLES FOR DATA CENTERS

High Flexible Medium Voltage Cables

Prysmian offers a wide range of medium-voltage cables for the commercial, industrial and urban residential networks. Our electrical equipment is manufactured with quality in mind, so you can be sure you are receiving a product which is reliable and delivers peak performance.

RELIABLE CABLE SOLUTIONS FOR LOCAL INFRASTRUCTURE

Constructions like data centers and industrial parks require an efficient, reliable source of power. Our medium voltage (MV) cables are manufactured to support constructions at this level, and our customers trust us with supplying the highest standards of electrical equipment.

FELTOFLEX® (N) TMCHXOEU



Bending the Laws of Physics

Experience unparalleled flexibility with our Feltoflex® cable, redefining flexibility standards in the industry. Our cutting-edge technology allows for small bending radii to accomplish remarkable feats, setting a new benchmark in cable performance.

Originally designed for wind power stations, our Feltoflex® cable boasts unrivaled pliability, making it ideal for applications where space is limited and mobility is crucial. Say goodbye to rigid installations—our cable, aptly named At Full Stretch, adapts effortlessly to dynamic environments.

Main features

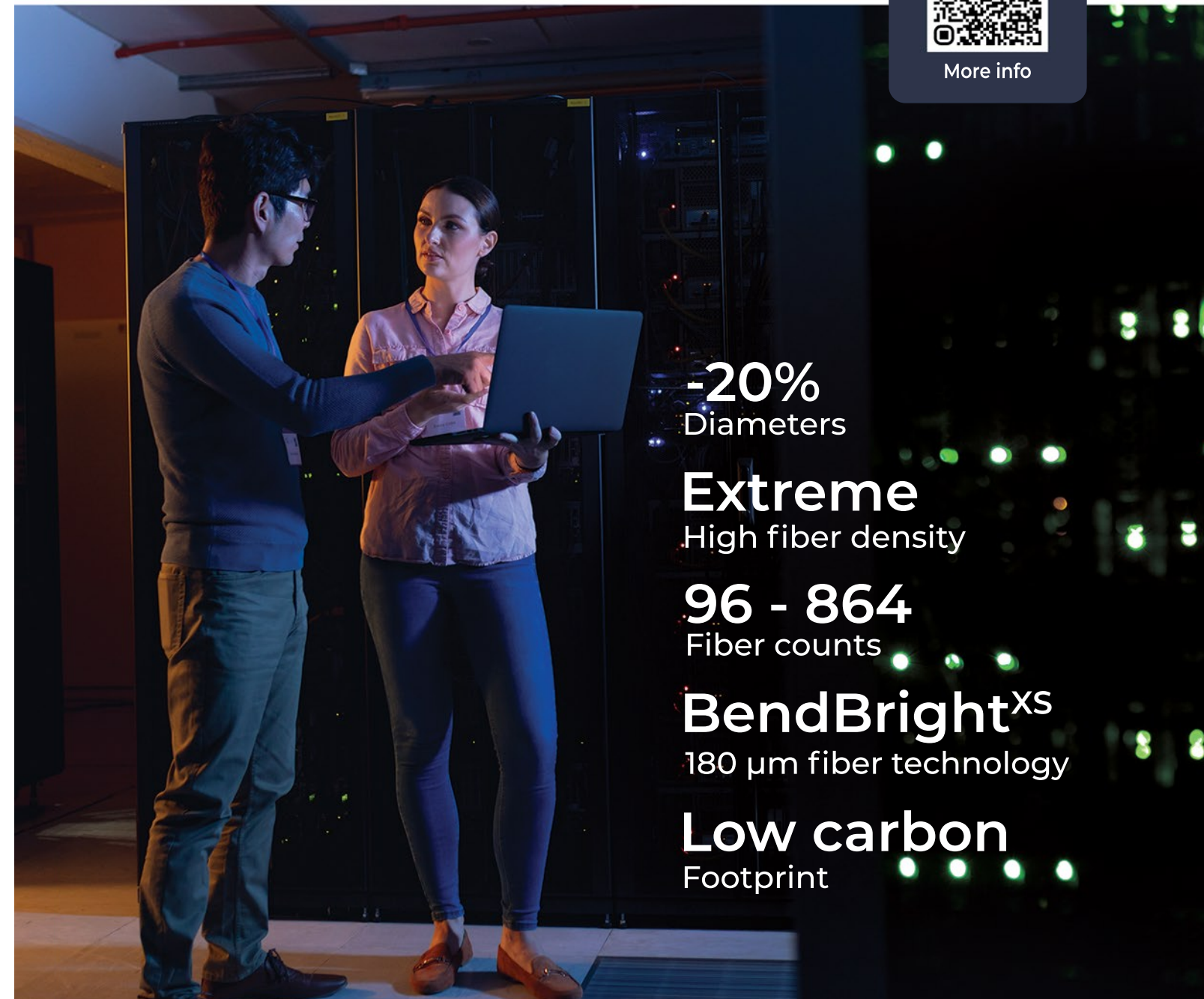
- ✓ **Extreme Flexible**
Perfect for cramped areas
- ✓ **Allows equipment mobility during operation**
- ✓ **Operational in temperatures ranging from -50°C to +90°C**
- ✓ **Low Smoke**
Zero Halogen design for enhanced fire resistance and minimal toxic emissions



DIGITAL SOLUTIONS

Introducing a trifecta of cutting-edge fiber optic solutions: SIROCCO Microcables and SIROCCO^{HD}, alongside Prysmian's Flextube® Family. SIROCCO Microcables offer a 20% size reduction for swift and economical installations, while SIROCCO^{HD} boasts higher fiber counts, minimizing civil works costs and environmental impact.

Meanwhile, Flextube® revolutionizes cable technology, offering easy fiber access and thermal stability, catering to diverse needs with options ranging from single fiber units to 864-fiber duct cables. Experience the future of connectivity with Sirocco Extreme, featuring unparalleled diameter and fiber density, ensuring faster, more cost-effective installations and meeting stringent international standards.



-20%
Diameters

Extreme
High fiber density

96 - 864
Fiber counts

BendBright^{XS}
180 μm fiber technology

Low carbon
Footprint

MULTIMEDIA SOLUTIONS

Welcome to our world of immersive connectivity where reliability is guaranteed, and flexibility is inherent in every solution. Experience seamless connectivity, expanded bandwidths, and adaptable solutions that evolve with your needs.

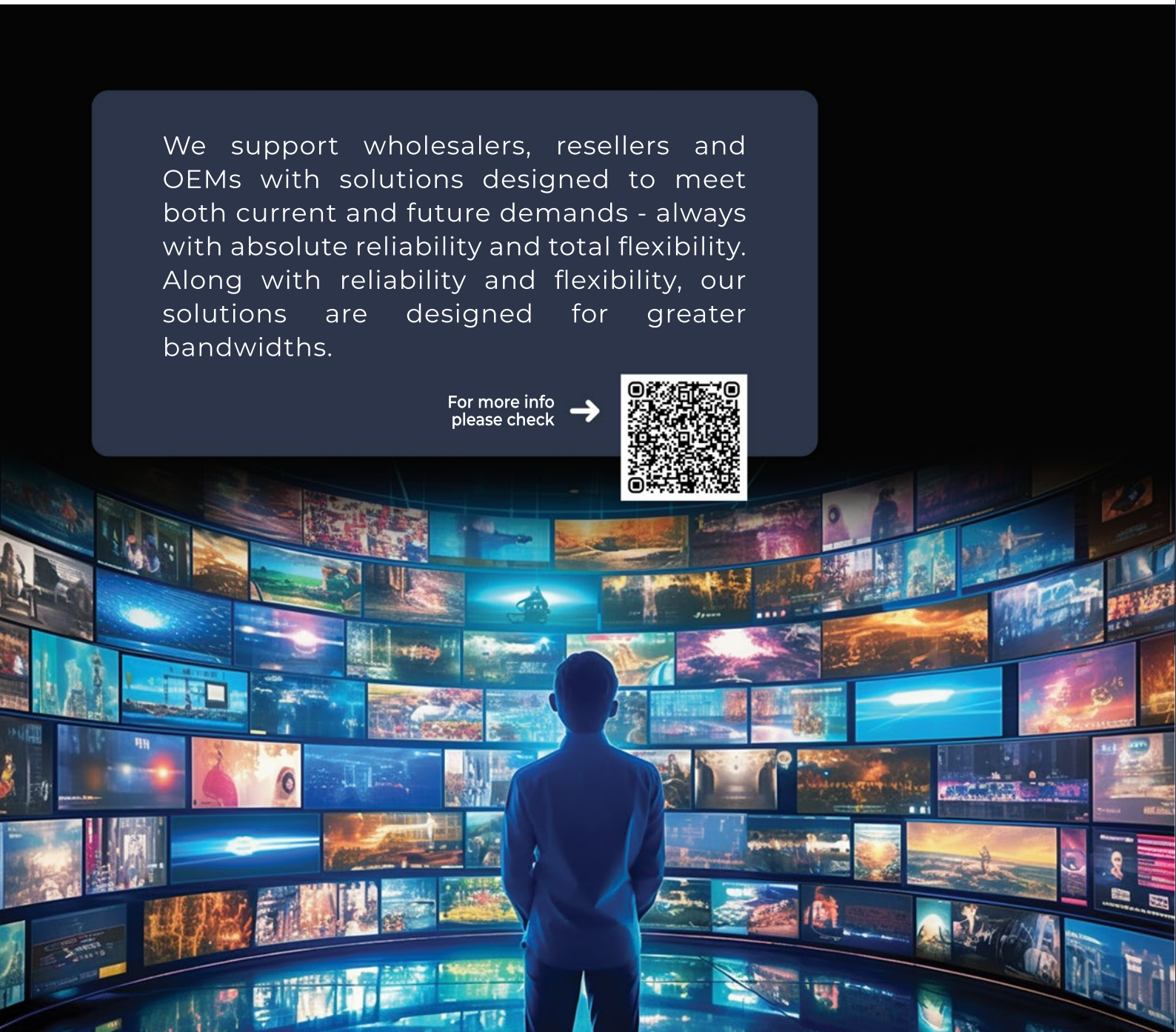
Explore our diverse range of products, including Copper and Fiber Cables for bustling offices, Optical and Copper Cables for studio essentials, Coaxial RF Cables for modern communication, and Base Station and Antenna Connections redefining mobile networks. Shape the future of connectivity with us, where entertainment and information are at your command.

We support wholesalers, resellers and OEMs with solutions designed to meet both current and future demands - always with absolute reliability and total flexibility. Along with reliability and flexibility, our solutions are designed for greater bandwidths.

For more info
please check →



As the worldwide leader in energy and telecom cable solutions, Prysmian believes in the effective, efficient and sustainable supply of energy and information as a primary driver in the development of communities. With this in mind, we provide major global organisations in multiple industries with best-in-class products and services, based on state-of-the-art technology



RESEARCH & DEVELOPMENT (R&D) CENTRES

Our 26 R&D centers globally maintain close proximity to local markets, facilitating the acquisition of crucial technological innovations at competitive costs. We're dedicated to shaping a cleaner, safer future through projects aimed at enhancing energy and information delivery. With sustainability at our core, we invest heavily in R&D, collaborating with 50 universities worldwide to develop skilled professionals capable of keeping us ahead in the industry.

Our exceptional R&D capabilities include 26 Centers of Excellence, advanced technologies, over 900 skilled professionals, and more than 5,600 patents. Our ambitious goals include powering wind farms in deeper waters, laying cables at 3,000 meters below sea level, and developing smart cables for maintenance communication.



Collaboration with leading universities is integral to our innovation journey, spanning countries like Italy, Brazil, the USA, and China. Notable successes include Corporate Hangar, an open innovation platform co-founded in 2017, fostering projects beyond our core business. Notable successes include Alesea, Kablee, and Cultifutura, along with Prysmian Electronics' monitoring solutions for cable systems.

Good isn't good enough

At Prysmian, we're not satisfied with just being good; we strive for outstanding quality in everything we do. Our global Quality Organizational Model ensures market-leading manufacturing excellence through rigorous monitoring processes at every stage of a product's lifecycle.

From raw material procurement to final delivery, we maintain strict quality standards, aiming for "zero defects" and a "right first-time" approach. Our energy and telecoms cables consistently meet the highest standards for customer satisfaction.



Our commitment to quality is evident in our policies and processes, including the Prysmian Quality Management System (PQMS) based on ISO 9001. We prioritize continuous improvement, challenging objectives, and effective corrective action.





www.prysmian.com

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