



SAFER CABLES TO PROTECT
YOUR GREATEST
VALUE.



FIRE SAFETY: A GLOBAL CONCERN

The **main cause** of injury and **death** in fires is incapacitation resulting from **exposure to fire effluent** (smoke and gases) caused by inappropriate materials.

As stressed in a report of the UK Department for Communities and Local Government, about 44% of fire accidents originated inside buildings, and in Europe **tens of thousands people die every year because of fires.**

Another important cause of death, as stated from the Swedish SRSA (Swedish Rescue Services Agency) in a report on Fire Prevention, is the **increasing use of plastics** in our home, which brought from an average time from ignition of a fire to flashover of 15 minutes, to 3 minutes in the last 25 years.

Fires have also a significant impact on our economy. CTIF (International Association of Fire and Rescue Service) estimates that the total economic costs of fires amount to around 1% of gross domestic product in most advanced countries.

SAFER FIRE CABLES

- The solution to guarantee **continuity of emergency circuits**
- Restrict the **propagation of fire** and the **heat release**
- **Reduce smoke** production and **harmful emissions**

Cables are a contributor to a safe and healthy built environment, **adding safety benefits** and **protecting goods.**

Safer cables can help **preventing the propagation of a fire** from one room to adjacent rooms, and produce as low opaque smoke and harmful emissions as possible.

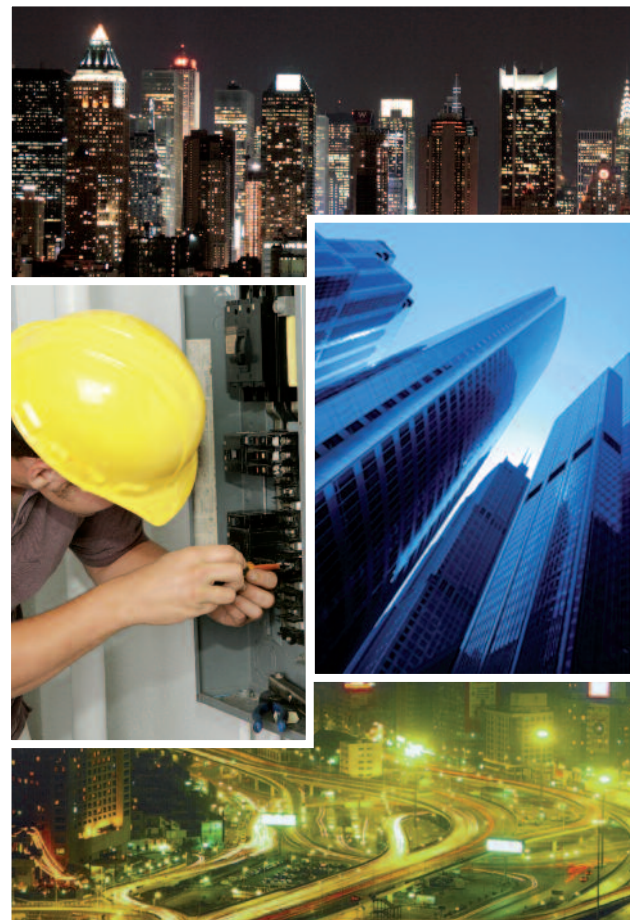
Lower emissions of acids and smoke also limit panic and physical harm to people, and are essential in easily locating and using emergency exits.

Safer cables also assure the **continuity of power** and/or signal supply during a fire.

THE PRYSMIAN GROUP'S COMMITMENT FOR FIRE SAFETY

Prysmian's commitment is to supply its Customers with **the most appropriate, innovative and technologically advanced cables** for each application. Where safety is concerned and a reliable and competitive solution is needed, our Company is able to fully support the **safer solution** without being limited through technology or materials.

The Prysmian Group has for many years been committed to the design and manufacture of state of the art Fire Resistant and Low Fire-Hazard cables, and to continuously develop **products to protect both lives and buildings**. The Group continues to offer a range of cables with different reaction to fire performance consistent with users needs for particular applications and installation conditions.



Furthermore, thanks also to Prysmian's involvement, specific rules will be adopted in Europe to define and regulate standards for Low Fire-Hazard cables, mainly in buildings with a high concentration of people.

National Authorities, Electricity Professionals and End-Users will have the possibility to specify safer cables in their projects, and the **use of certified Low Fire-Hazard cables** will hopefully become **mandatory** in hospitals, airports, metros, theatres and historical buildings.

Prysmian's answer to these requirements is then its constant focus on being the partner of choice for its clients, and a global supplier able anyhow to satisfy the specific needs of each Country's customers.

A WIDE RANGE OF LOW FIRE-HAZARD AND FIRE RESISTANT CABLES

Prysmian has developed a wide range of fire cables: the Afumex family of cables couples **low flame spread** and **heat release** with very **low emission of smoke** and **dangerous gases**, and helps to provide more time to escape and a **less hazardous environment** for rescue teams. Fire Resistant cables instead assure the continuity of power and/or signal supply, and include different well-established brands such as: FIRESTOP, AFUMEX FIRST, RF 31-22, SIENOPYR, FP, AFUMEX FIRS.

RELEVANT APPLICATIONS

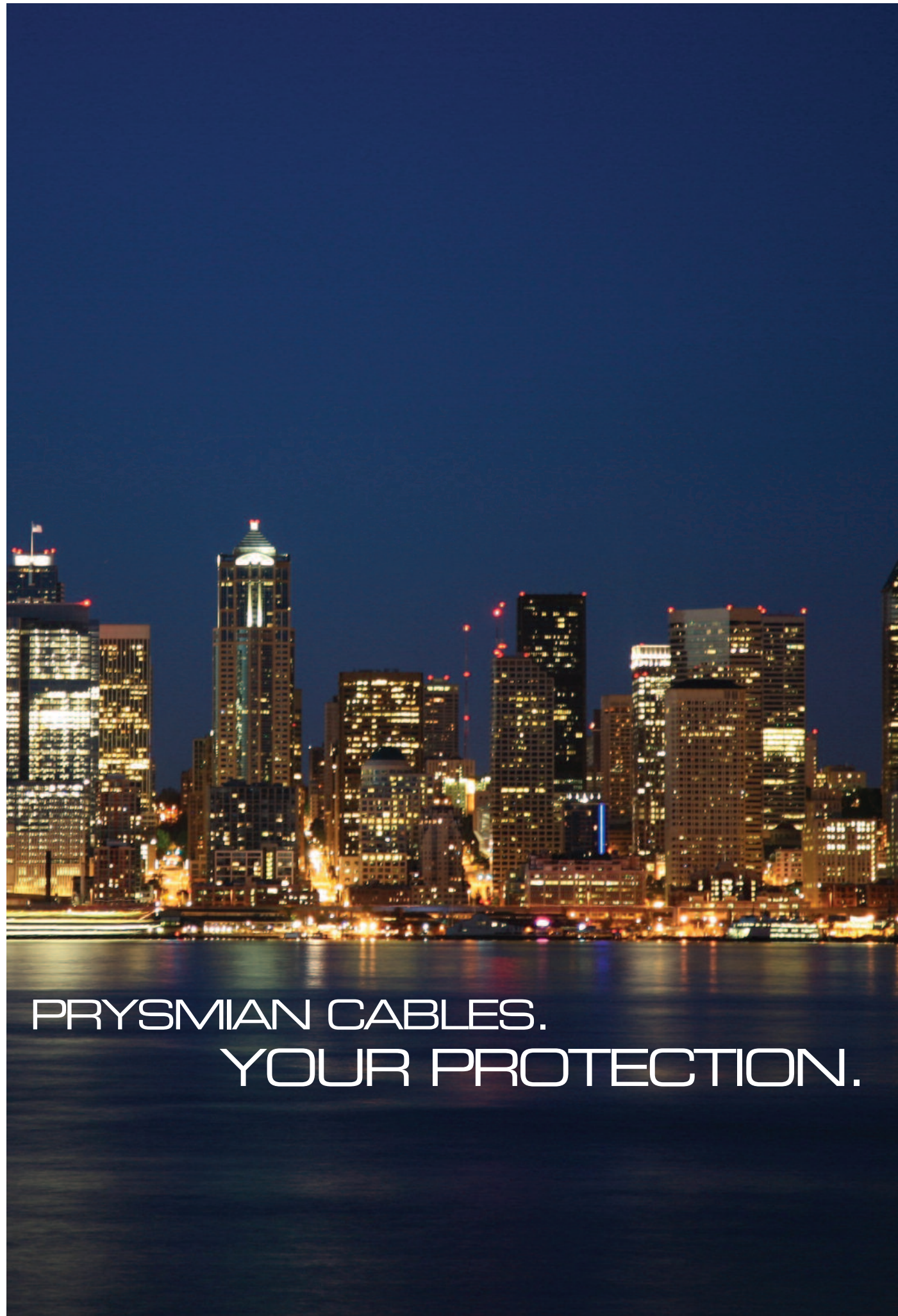
- hospitals and old people's homes
- schools and recreational buildings
- museums and historical buildings
- undergrounds and tunnels
- shopping centres
- railway stations and airports
- discotheques and nightclubs
- theatres and cinemas
- hotels and offices
- high-rise buildings

The fire safety of worldwide architectural icons and public infrastructures, as well as of millions of private houses, relies on Prysmian cables.

Some of the most prestigious constructions are the testimonials of our cable applications:

- Metro Vienna
- Burj Khalifa (Dubai)
- Guggenheim Museum (Bilbao)
- Teatro Colón (Buenos Aires)
- Wimbledon Tennis Court
- Hamburg Airport
- UCL Cancer Institute (London)





PRYSMIAN CABLES.
YOUR PROTECTION.



A TRULY GLOBAL PLAYER IN THE CABLE INDUSTRY

Prysmian is a world leader in the energy and telecommunication cables industry with a strong market position in higher added-value market segments.

Specializing in the development of bespoke products and services, Prysmian's main competitive strengths include: focus on research and development, ability to innovate in terms of both products and processes, and the use of advanced proprietary technologies.

The Prysmian Group has for many years been committed to designing and producing competitive Fire Resistant and Low Fire-Hazard cables for Energy and Telecommunications, and continues to widen its product range in order to offer its customers safer cables to protect both lives and buildings.

38

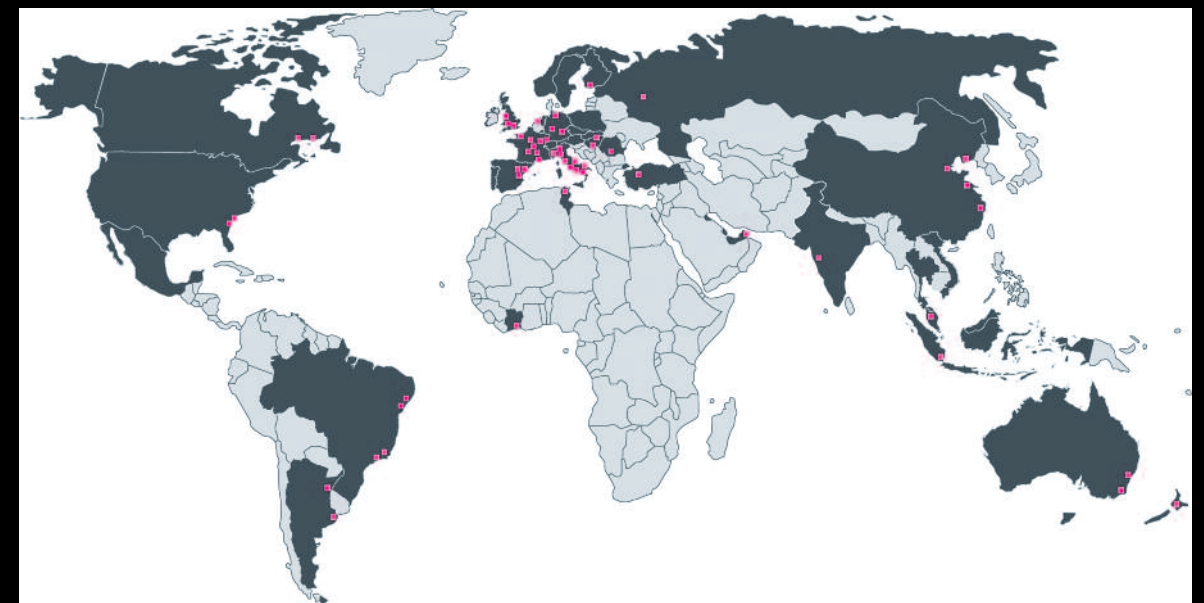
COUNTRIES

56

PLANTS

7

R&D CENTRES



Ask your local team for more information about
Prysmian's range of fire cables.

www.prysmian.com
www.prysmian.com/firesafety

LAYING IDEAS

 **PRYSMIAN**
CABLES & SYSTEMS