

Spanish Explosion-Proof and Flame-Retardant Fiber Optic Cable Factory for Smart Buildings



Overview

The COFITEL Group presents new fire-resistant fiber optic cables manufactured by OPTRAL at its facilities in Barcelona and Fraga, many of which comply with the European CPR standard. This type of cables has a special flame retardant polyethylene or flame retardant PVC sheath instead of a conventional sheath. This modification in the materials does not alter the structure, dimensions or transmission. Certified to B2ca CPR and FE180 fire-resistance standards, these cables maintain optical integrity under extreme heat and flame exposure—ideal for tunnels, hospitals, airports, industrial plants, data centers, and railway networks. In emergency scenarios, uninterrupted connectivity can save lives. In Spain, Tratos significantly expanded its operations by acquiring TELNET Fiber Optic S. in 2024, strengthening its presence in the Iberian market. TELNET is located in La Muela, Zaragoza, and has been a key player in the fibre optic industry since its establishment. The facility covers 12,000. As of 1 July 2017, all cables intended for permanent installation on construction sites within the EU must comply with the requirements of the Construction Products Regulation (CPR) and have the corresponding CE mark. In order to meet the most demanding requirements, OPTRAL has developed the. Our cables and lines were particularly developed to be used in hazardous areas.



Article Content

The success story of Spain's fibre optic networks

Spain is one of the EU's leading countries when it comes to excellent network connectivity, and it's all thanks to public and private investment in fibre optic.

Fire Resistant Central Loose Tube Fiber Optic Cables

Fire Resistant Central Loose Tube Fiber Optic Cables APPLICATION These cables are characterized by light weight and small diameter, suitable for both aerial and

Top 5 Fire-Resistant Fiber Cable Mfrs: Brand vs.

Sourcing Fire-Resistant Fiber Cable (OFNP/LSZH)? We rank the global Top 5 manufacturers (like Corning & Prysmian) and reveal how to get UL-compliant

Low Smoke CPR-Rated EMEA Fiber Cable

Leviton offers a comprehensive range of premium conventional and air blown fiber optic cables. The full range includes low fire hazard, halogen free and high performance tight buffered and loose tube cables.

Indoor Fiber Optic Cables | Flame Retardant Indoor

These indoor fiber optic cables are used exclusively within buildings and must have a flame-retardant cable jacket to fit this purpose. Flame resistant cable may be

What is Fireproof Fiber Optic Cable?

Fireproof fiber optic cable is a safe and reliable option for data transmission. This type of cables has a special flame retardant polyethylene or flame retardant PVC sheath instead of a

XtremeFire Optical Fiber Cables: Fire-Resistant

The structure of this cable offers a capacity of up to 60 optical fibres, a very small diameter of only 8.1 mm, protection against rodents, and is also totally dry, thus facilitating its

Top 5 Fire-Resistant Fiber Cable Mfrs: Brand vs. Factory Direct (2026)

In this guide, we list the Top 5 Global Manufacturers who set the standard for fire safety. We will also clarify the confusing jargon (OFNR vs. OFNP vs. IEC 60331) and show you how to source safety

Cables for Ex-Areas: SAMCON

When using the applicable cable gland, it is possible to insert the cables directly into flameproof enclosures. Our high speed cables for industrial ethernet fit for dry, wet or damp rooms.

Indoor Fiber Optic Cables | Flame Retardant Indoor Cable Products

Indoor riser-rated cable jackets are held to a lower standard than plenum cables. The specially formulated, flame-retardant outer cable jacket and rugged construction of these cables facilitates

Fire resistant optical bre cables

FLOWGUARD™ offers new properties which make it easier to handle and install thanks to the Fibre Reinforced Plastic (FRP) armouring. This brings flexibility and lower bending radius than corrugated

DataGuard® FRCM MLT Armoured Fire Survival Fibre Optic Cable

A dual Low Smoke Zero Halogen jacketed, fire resistant, steel armoured fibre optic cable with enhanced fire survival properties according to BS8434-2 for installation in the most extreme environments.

Choosing Fiber Cable Protection to Meet Fire Regulations

Advice on picking the best fiber cable protection against fire in the United States and Europe, balancing spread of fire against smoke and toxicity.

Fire Resistant Fiber Optic Cables CPR B2ca | ETK Kablo

ETK Kablo's B2ca-classified fiber optic range provides low smoke emission, zero halogen content, and exceptional flame retardance. The design ensures data link continuity even during extended fire

Flame-retardant optical cable

Find your flame-retardant optical cable easily amongst the 51 products from the leading brands (LEMO, LAPP, SAB, ...) on DirectIndustry, the industry specialist

Fireproof Fire Resistant Fiber Optic Cables | APAR

Fire resistant fiber optic cables for critical infrastructure and emergency systems. Up to 180 min at 850°C, IEC compliant, custom B2B designs.

Tratos Spain - Zaragoza cable factory

The Spanish facility is critical in supporting Tratos' broader mission to deliver high-performance fibre optic cables for telecommunications infrastructure, FTTH (Fiber to the Home) applications, and global

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Fiber Optic Cable: Jacket & Fire Rating

This article examines fiber optic cable jackets, materials like LSZH, and fire ratings such as plenum and riser. It defines what comprises a cable and

Fire-resistant multitube fiber optic cables

The COFITELE Group presents new fire-resistant fiber optic cables manufactured by OPTRAL at its facilities in Barcelona and Fraga, many of which comply with the European CPR standard.

Contact Us

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