

Manufacturers of Flame-Retardant Optical Cables for Smart Buildings



Article Overview

Leading manufacturers of flame-retardant optical cables for smart buildings include ETK Kablo, Prysmian Group, Corning, CommScope, APAR, and Optral, offering fire-resistant, low-smoke, and halogen-free solutions compliant with international safety standards.

Key Manufacturers and Offerings

ETK Kablo produces fire-resistant fiber optic cables certified to B2ca CPR and FE180 standards, ensuring continuous data transmission during fire conditions. Their cables are low smoke, zero halogen, and suitable for critical infrastructure such as hospitals, airports, data centers, and tunnels, maintaining optical integrity under extreme heat and flame exposure. Prysmian Group (Italy/Global) is renowned for its Firetuf® series, designed for circuit integrity (CI) applications. These cables maintain signal transmission for up to 120 minutes during a fire, making them ideal for emergency systems in subways, airports, and hospitals. Corning (USA) specializes in plenum-rated (OFNP) and riser-rated (OFNR) optical cables, engineered to self-extinguish and minimize smoke. Their products are widely used in commercial office buildings, universities, and corporate headquarters where fire safety compliance is critical. CommScope (USA) offers high-density fiber trunks with advanced fire-retardant materials, particularly for data centers and colocation facilities, preventing fire propagation in server halls. APAR manufactures fire survival optical cables capable of operating for up to 3 hours in fires up to 750°C. Their cables are halogen-free, flame-retardant, and suitable for emergency communication systems, tunnels, metro lines...

Article Content

Jan 25, 2026

Fiber Optic Cables | Corning

With 2 billion kilometers of fiber optic cables installed around the globe, Corning continues to lead the industry in product quality and

Aug 26, 2025

Domestic manufacturers of flame-retardant optical cables for smart ...

Global Flame Retardant Optical Fiber Cable Market: Focus on The Flame Retardant Optical Fiber Cable Market is driven by

Aug 16, 2025

Flame Retardant Optical Fiber Cable Market Growth Trends...

Key Developments • Prysmian Group announced the acquisition of a flame-retardant optical fiber cable specialist to accelerate its FR

May 23, 2026

Fiber Optic Indoor Cables

Cables For Indoor Applications Cables For Indoor Applications These cables are used exclusively within buildings and must have a

Jul 13, 2026

InFire Rated Cable Manufacturers | Incab America LLC

InFire Rated Dielectric InFire Rated Dielectric Light InFire Rated Outdoor The increasing number of fires leads to more and more

Feb 11, 2026

Fire resistant optical bre cables

Flame temperature : 850°C Mechanical shock : every 5 minutes Bending radius : cf. cable manuf-acturer Voltage : cable rating Time

Sep 04, 2025

Top 5 Fire Resistant Fiber Optic Cable Manufacturers | 2026 Guide

In this guide, we list the Top 5 Global Manufacturers who set the standard for fire safety. We will also clarify the confusing jargon

Jan 02, 2026

Fire resistant optic fibre cable_V4

THE APAR ADVANTAGE APAR's Fire Resistant (Fire Survival) Fibre Optic cables offers excellent protection in the event of fire

May 19, 2026

Indoor Fiber Optic Cables | Flame Retardant Indoor Cable Products

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

Mar 19, 2026

Flame-Resistant B1-Grade Cables: Vital for Buildings

Find out why today's high-rise buildings call for the flame-retardant performance that B1

Jan 23, 2026

Fiber Optic Cables

APPLICATION Optical cable for indoor and outdoor use in vital communication and emergency systems that need to be operational

Mar 24, 2026

Global Flame Retardant Optical Fiber Cable Market Size, Growth

Raw material suppliers play a pivotal role by providing flame-retardant polymers that meet international safety

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CPR cables

WEINERT has been the world's leading supplier of safety cables for many years now. Whether you need infrastructure, energy, data,

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Flame Retardant Fire Resistant Optical Cable Market 2025-2032

Municipalities are increasingly specifying flame-retardant optical cabling for traffic management systems, emergency

Mar 25, 2026

Top 15 Fiber Optic Manufacturers (2026 Global Ranking)

An authoritative 2026 guide to the top 15 fiber optic manufacturers — from Corning and Prysmian to Fujikura and LS Cable — with

May 03, 2026

High Voltage Flame Retardant Optical Cable-YOFC | Smart Link

YOFC | Smart Link Better Life High voltage cables require transmission control cables to have good electromagnetic radiation

Sep 18, 2025

Fire-resistant optical cable, Flameproof optical cable

Find your fire-resistant optical cable easily amongst the 12 products from the leading brands (LAPP, ZTT, CABLESCOM, ...) on

Oct 28, 2025

Top 5 Fire Resistant Fiber Optic Cable Manufacturers

Sourcing Fire-Resistant Fiber Cable (OFNP/LSZH)? We rank the global Top 5 manufacturers (like Corning

Apr 21, 2026

Types and characteristics of flame-retardant optical cables

Types and characteristics of flame-retardant optical cables Halogen-free low-smoke flame-retardant optical cable

Sep 04, 2025

Fire resistant/survival cables

Our fire resistant/fire survival cables feature a steel wire/steel wire braiding/corrugated steel tape armour to provide mechanical

Sep 20, 2025

Indoor Fiber Optic Cables | Optical Communications | Corning

Corning manufactures a variety of indoor fiber optic cables that are used in spaces that require a flame retardant jacket. These

Feb 15, 2026

Flame Retardant Optical Fiber Cable Market Size, Growth, And

The Flame Retardant Optical Fiber Cable market is experiencing significant growth, driven by increasing demand for

May 28, 2026

Development of flame retardant and fire-resistant optical cable based ...

Proceeding flame retardant and fire-resistant test, LOI of ceramic sheathing materials and temperature index of cable according to

Sep 18, 2025

Draka Lifeline Fire Rated Cables

Draka Lifeline Fire Rated Cables are manufactured with ceramification technology to produce fire resistive cables qualified to the

Jul 08, 2026

Draka FireTuf Fire Resistant Fibre Optic Cable

This FireTuf fibre range is fully compliant with fire resistant standards IEC 60331-25 and flame retardant

Aug 19, 2025

Global Flame Retardant Optical Fiber Cable Market Overview

The flame retardant optical fiber cable market encompasses specialized cables designed to prevent fire propagation

Jun 06, 2026

Flame-retardant electrical cable

Find your flame-retardant electrical cable easily amongst the 385 products from the leading brands (HUBER+SUHNER, SAB, Globe

Jun 24, 2026

Unveiling Flame Retardant Optical Fiber Cable Industry Trends

The size of the Flame Retardant Optical Fiber Cable market was valued at USD 10580 million in 2023 and is projected

Sep 21, 2025

Fire Resistant Fiber Optic Cables CPR B2ca | ETK Kablo

Our fire-resistant fiber optic cables ensure data continuity in critical infrastructure worldwide, helping integrators, contractors, and

Jan 06, 2026

10 Leading Flame Retardant Cable Companies Shaping the Future ...

This in-depth guide highlights the top 10 companies setting benchmarks in cable technology, regulatory compliance, and

Apr 26, 2026

Top 10 Companies in the Fire Retardant Cable Industry (2026):

In this blog, we profile the Top 10 Companies in the Fire Retardant Cable Industry —a mix of global cable giants,

Nov 27, 2025

ScaleFibre | SmartRIBBON™ Flame Retardant Optical

High-capacity flame-retardant ribbon cable featuring intermittently bonded fibres and LSZH jacket.

Mar 24, 2026

10 Best Fiber Optic Manufacturers for 2026

Discover the best fiber optic manufacturers globally, offering cutting-edge multimode and single mode fiber solutions.

Feb 01, 2026

CN103064163B

The frame-retardant and fire-resistant optical cable has high frame-retardant and fire-resistant performance, maintenance of good

Dec 10, 2025

Worldwide Flame Retardant Optical Fiber Cable Market 2026

The Global Flame Retardant Optical Fiber Cable Market was valued at USD 5.88 Billion in 2025 and is projected to

Oct 17, 2025

Fire-Resistant Optic Cable

Engineered for critical safety, this fire-resistant optic cable provides reliable data transmission in high-risk environments.

Contact Us

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