Flame-retardant fiber optic cable manufacturer



Overview

Top 5 Fire Resistant Fiber Optic Cable Manufacturers | 2026 GuideIn this guide, we list the Top 5 Global Manufacturers who set the standard for fire safety.

Key Takeaways

ETK Kablo, Prysmian Group, CommScope, and LS Cable & System are leading companies specializing in flame-retardant fiber optic cables. Key ManufacturersETK Kablo produces fire-resistant fiber optic cables certified to B2ca CPR and FE180 standards, ensuring continuous data transmission during fire conditions. Their cables feature low smoke emission, zero halogen content, and exceptional flame retardance, making them suitable for tunnels, hospitals, airports, industrial plants, data centers, and railway networks.

Prysmian Group is a global leader in cable manufacturing, offering OFNR (Riser) and OFNP (Plenum) flame-retardant fiber optic cables. They are recognized for high safety compliance, flexibility, and ease of installation, particularly in commercial buildings and critical infrastructure.

Comm

Scope specializes in fire-rated indoor fiber cables for data centers and large-scale network deployments. Their products are designed with advanced fire-retardant materials to prevent fire propagation and ensure network reliability in emergency situations.

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S Cable & System Ltd. provides comprehensive flame-retardant solutions for high-risk environments, including construction and mass transit. They integrate fiber optic sensing and predictive maintenance technologies into their cable assemblies, enhancing safety and infrastructure resilience.

Additional Notable Companies

Other companies recognized for flame-retardant fiber optic cables include Nexans S. A., NKT A/S, Southwire Company, LLC, and ZTT. These firms focus on regulatory compliance, sustainable materials, and high-performance fire-resistant designs suitable for global applications.

Summary

For projects requiring fire safety and continuous data transmission, ETK Kablo, Prysmian Group, CommScope, and LS Cable & System are among the most reliable specialists. Their products meet international standards, including CPR B2ca, IEC 60331, OFNR, and OFNP, ensuring both safety and operational continuity in critical infrastructure.

Article Content

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 (OFNR vs. OFNP vs. IEC 60331) and show you how to source safety

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 telecom operators meet the highest CPR and IEC standards.

Fiber Optic Cables

CommScope designs and manufactures a comprehensive line of fiber optic cables—from outside plant to indoor/outdoor and fire-rated indoor fiber cables.

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 DirectIndustry, the industry specialist

Draka FireTuf Fire Resistant Fibre Optic Cable

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This FireTuf fibre range is fully compliant with fire resistant standards IEC 60331-25 and flame retardant standards IEC 60332-2-3-24C, guaranteeing the cables circuit integrity and performance in the event

Draka FT Fire Resistant Fibre Optic Armoured

This FireTuf fibre range is fully compliant with fire resistant standards IEC 60331-25 and flame retardant standards IEC 60332-2-3-24C, guaranteeing the cables

CPR Optical Cables | Fire-Resistant | OPTRAL

CPR fire-resistant optical cables with Euroclass Dca, Cca, and B2ca classifications. Safety and performance for critical applications.

Lifeline® Fire Rated Cable Systems | Prysmian

Prysmian''s Lifeline® fire-resistive cables are engineered to reduce the devastating impact of fire. They feature innovative ceramifiable silicone technology that

Fireoproof 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.

Top 5 Fire Resistant Fiber Optic Cable Manufacturers

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

GYFTZY Flame Retardant Optical Fiber Cable manufacturer from China

GYFTZY fiber (250μm) Cable are positioned in a loose tube made of a high modulus plastic. The tubes are filled with a water-resistant filling compound.

Fire Resistant Fiber Optic Cables CPR B2ca | ETK Kablo

Which fibre is resistant to fire? The glass optical fibre itself is non-flammable; what determines fire behaviour is the cable construction (insulation, sheath, fillers). For fire-critical areas, choose fire

Lifeline QFCI Fire Resistant Fiber Optic Cable

Lifeline® QFCI Fire Resistant Fiber Optic Cable Survivability in a Fire for Vital Communication and Emergency Systems Regulators & Regulations National Fire Protection Agency (NFPA) The NFPA is

Fire resistant optic fibre cable_V4

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Best in class fibre & raw materials used to manufacture high-quality Fire Resistant Fibre Optic cables. Various armour options (wire armour, ECCS corrugated tape, FRP armour) providing mechanical &

Fiber Optic Cable Jackets and Fire Ratings Explained

Learn about fiber optic cable jackets, materials, and fire ratings. Find the right jacket for plenum, riser, or general-purpose environments.

Optical data cable

ZTT is a leading global manufacturer of outdoor optic fiber cable systems, providing comprehensive solutions for telecommunication applications worldwide. With a rich heritage of advanced R&D,

Fiber Optic Cables

Home Fiber Optic Cables Fiber Optic Cables Capability Capable of manufacturing versatile categories fiber optic cable and its accessories that includes all types of single mode and multimode optical

Fiber Optic Cables | Corning

Indoor/Outdoor fiber optic cables are flame-retardant (FR) cables that are designed to meet both the rigorous environment of the outdoors and be routed indoors, where flame rating requirements also

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