Complete List of Flame-Retardant 8-Core Outdoor Optical Cable Models

Overview

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

Key Takeaways

Flame-retardant 8-core outdoor optical cables are available from Draka FireTuf, Belden GUMTE08, and Corning FREEDM™ series, all designed for fire safety and outdoor durability. 1.

Draka Fire

Tuf 8-Core Fibre Optic CableFiber Types: OM1, OM3, OM4 multimode; OS2 singlemodeConstruction: Corrugated steel tape armor, central loose tube, internal/external LSZH sheathFire Standards: IEC 60331-25 (fire resistant), IEC 60332-2-3-24C (flame retardant)Features: Bend-insensitive MaxCap BendBright™ technology, UV-stable outer sheathApplications: Fire alarm systems, voice alarm systems, tunnels, metro lines, public buildingsCore Count: 8 fibers (also available in 4, 12, 24 cores)Manufacturer: Prysmian Draka 2. Belden GUMTE08Fiber Type: 8 fibers, MM OM4Construction: Tight-buffered distribution cable with LSZH jacketFire Rating: CPR Euroclass DcaUsage: Indoor/outdoor, industrial backbone, campus backbone, building backbone, horizontal cablingApplications: Industrial networks, telecom, cable TV, broadcast, FDDI, Gigabit Ethernet, ATMFeatures: Low smoke, zero halogen, suitable for structured wiring systemsManufacturer: Belden 3.

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Corning FREEDM™ 8-Core Tight-Buffer Indoor/Outdoor CableFiber Type: 8 fibers, E9/125 (singlemode)Construction: Tight-buffered, flame-retardant, suitable for duct and riser installationsApplications: Interbuilding and intrabuilding backbones, LAN installationsFeatures: Simplified termination for low-fiber-count applications, no fan-out kits requiredManufacturer: Corning Additional NotesThese cables are designed for outdoor exposure, including UV resistance and mechanical protection. All listed models comply with flame-retardant and fire-resistance standards, ensuring circuit integrity during fire events. Other manufacturers such as LAPP, ZTT, and CABLESCOM also offer flame-retardant optical cables, though specific 8-core outdoor models should be verified via their datasheets.

This list provides a comprehensive overview of commercially available 8-core flame-retardant outdoor optical cables, suitable for industrial, public infrastructure, and safety-critical applications.

Article Content

Outdoor Optical Cable | ADSS, GYTA, GYTS, G652 Armored

High-quality outdoor optical cables for aerial, direct burial, and duct applications. ADSS, GYTA, GYTS, GYTA33, and Figure-8 designs with UV-resistant jackets, OEM/ODM customization, and fast global

FibreFab-Fibre-Optic-Cable-Catalogue

The Optronics fibre optic cable range includes simplex, suplex and flat ribbon patchcords, tight buffered, single loose tube and multi-loose tube distribution cables for internal and external applications as

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.

Draka FireTuf Fire Resistant Fibre Optic Cable

FireTuf fibre optic cables are manufactured by Prysmian Draka. Offered in OM1, OM3 and OM4 multimode and OS2 singlemode, in 4, 8, 12 or 24 core fibre

Flame-retardant optical cable

Find your flame-retardant optical cable easily amongst the 50 products from the leading brands (LEMO, LAPP, YOCF, ...) on DirectIndustry, the industry

INDUSTRIAL CABLES AND SPECIALS

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Here you will find some symbols to help identifying the suitability of cable models to environment aggressors - like chemicals, UV, flame, etc. They are ranked as None, Limited, Basic, Good and Super.

Fiber Optic Indoor/Outdoor Cables

These are cables that are designed to meet both the rigorous environment of the outdoors but also can be routed indoors, where flame rating requirements also apply. This type of cable eliminates the

Flame-Retardant Indoor/Outdoor Wrapping Tube Cable

Flame-retardant (FR) RIO Wrapping Tube Cable (WTC) with SpiderWeb Ribbon (SWR) is a high-density fiber optic ribbon cable intended for indoor/outdoor

Lifeline™ Fire Resistant Fiber Optic Cable | Prysmian

The first UL flame-listed optical cable designed for both indoor and outdoor use in critical communication and emergency systems that must remain operational during a fire. This innovative cable features a

Fiber Optic Indoor/Outdoor Cables

Our indoor/outdoor cables meet rigorous outdoor environments and can be routed indoors where flame rating applies, eliminating transition splices.

Haile Armored 8-core Single-mode Outdoor Flame Retardant Fiber Optic ...

Purchase Haile Armored 8-core single-mode outdoor flame retardant fiber optic cable GYTZS-8b1.3 HT210Z-8SC. Durable, UV resistant, and ideal for telecom networks. 1000 meters per piece for bulk

Opti-Core® LSZH Indoor-Outdoor All-Dielectric Fiber Optic Cable

The fiber cable shall have a loose tube, all-dielectric (non-conductive) construction with 6, 12, 24 or 48 fibers and comply with common industry standards for indoor and outdoor applications. To withstand

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.

Draka FT Fire Resistant Fibre Optic Armoured

4, 8, 12 & 24 Fibre Optic Cable OM3 multimode and OS2 singlemode, Loose Tube, Internal/External LSZH. Manufactured by Draka Using BendBright Technology.

Opti-Core Fiber Optic Indoor-Outdoor

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The Opti-Core Fiber Optic family of cables shall contain 4 to 72 optical fibers. The fibers shall be tight-buffered for easy termination with field-installable connectors. The cables shall be flame rated for use

Draka FireTuf Fire Resistant Fibre Optic Cable

8, 12 & 24 Core Fibre Optic Cable OM1, OM3, OM4 multimode and OS2 singlemode, Loose Tube, Internal/External LSZH. Manufactured by Draka Using BendBright.

Lifeline QFCI Fire Resistant Fiber Optic Cable

- Roadway Tunnels Lifeline® QFCI is the first UL flame listed optical cable designed for indoor/outdoor use in vital communication and emergency systems that need to be operational during fire.

DataGuard® MLT Armoured Fire Resistant Fibre Optic Cable

A fire-resistant fibre optic cable meeting IEC60331-25 & EN50200 PH120 with a Steel Wire Armour protective layer, giving excellent mechanical & rodent protection between two Low Smoke Zero

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