

Price of Flame-Retardant Single-Mode 8-Core Optical Cable



AI Overview

The price of an 8-core single-mode flame-retardant optical cable typically ranges from \$0.80 to \$2.50 per meter, depending on manufacturer, armoring, and order quantity.

Overview Flame-retardant 8-core single-mode optical cables are designed for high-speed, long-distance data transmission in fire-sensitive or outdoor environments. They feature armored protection, flame-retardant sheathing, and often LSZH (Low Smoke Zero Halogen) jackets for safety compliance. These cables are suitable for telecom networks, metro lines, tunnels, and public buildings, where maintaining signal integrity during fire events is critical.

Typical Specifications

- Fiber Type: Single-mode (OS2, G652D, or G657)
- Core Count: 8 fibers
- Construction: Loose tube or bundle tube design
- Armoring: Steel tape or metal strength member for mechanical protection
- Sheath: Flame-retardant PE or LSZH
- Length: Usually sold in 1000-meter reels; some suppliers require minimum orders of 285–10,000 meters

Outdoor Features: UV resistance, water-blocking, and suitability for direct burial or aerial installation

Price Considerations

Supplier and Brand: Prices vary by manufacturer, e.g., Draka FireTuf, Kaichuang Tong, Haile, or GYTZA.

Order Quantity: Bulk orders reduce per-meter cost; minimum order quantities often apply. For example, Kaichuang Tong requires a minimum of 1000 meters, while GYTZA requires 10 km per item.

Cable Features: Armored and flame-retardant designs cost more than standard single-mode cables. Based on market listings, the estimated price range is approximately \$0.80–\$2.50 per meter, with higher-end prices for fully armored, LSZH, or fire-rated cables suitable for critical infrastructure projects.

Recommendations

Request Quotes: Contact suppliers directly for precise pricing, especially for large-scale projects.

Check Compliance: Ensure the cable meets IEC 6...

Article Content

Opti-Core Fibre Optic Indoor-Outdoor Armoured Cable 48 to 144

Opti-Core™ Fibre Optic Indoor-Outdoor Armoured Cable 48 to 144-Fibres, EuroClass Cca and B2ca for EMEA A T A S H E E T

Verified Supplier 8 Core Fiber Optic Cable 3k+ | Alibaba

Discover 8 core fiber optic cables for reliable fiber networking. Ideal for aerial, duct, and outdoor use with CE/ROHS certification and G652D fiber.

1M/3ft OS2 Single Mode LC to LC Fiber Patch Cable, SM Singlemode

High Rated OS2 SM 9/125m Fiber and Cladding, this LC to LC single mode fiber patch cable is Insensitive to bending, Easy peeling, Easy welding, ensures small optical loss and stable

Fiber Optic Cable Jacket Guide: OFNP vs OFNR, LSZH, PVC, PE,

Compare fiber optic cable jacket materials and fire ratings: OFNP vs OFNR, LSZH, PVC, PE, TPU. Selection guide for data center, FTTH, outdoor, and industrial use. Request samples.

8 Core Indoor Fiber Optic Cable SM LSZH Price & Datasheet

8 Core GJFJV Indoor Fiber Optic Cable SM Single-mode Multi-Core Tight Buffered LSZH Distribution Indoor optical Fiber Cable is made of multi-strand aramid yarn, this yarn is reinforced evenly on the

8 Core Indoor Fiber Optic Cable SM LSZH Price & Datasheet

This cable adapts to indoor distribution mostly, as well as outdoor but with PE tube only. This cable has characters of soft, easy to peel, to facilitate follow, circular structure, small size, lightweight.

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.

8 core single mode fiber optic cable

An 8-core single mode fiber optic cable is engineered for high-speed, long-distance data transmission with minimal signal loss. These cables are widely used in telecommunications, enterprise networks,

Single Mode Fiber Optic Cable

Fiber Optic Cable, Tight Buffer, Single-Mode, 6 Strand, 8.3/125, Corning glass, OFNP, Plenum, Indoor/Outdoor, dry, super absorbent polymers eliminate water migration ...

samoa-double-armored-flame-retardant-optical-cable-manufacturer ...

16 suppliers for samoa-double-armored-flame-retardant-optical-cable-manufacturer
Manufacturer/Producer Find wholesalers and contact them directly B2B marketplace
Find

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

Kaichuang Tong GYXTZW-8B1 Flame Retardant Single-mode

This GYXTZW-8B1 fiber optic cable from Kaichuang Tong features single-mode fibers enclosed in a central bundle tube design with flame-retardant sheathing. It is specially built to meet the demands of

Fiber Optic Cable

Fiber Cable Belden's extensive line of indoor and outdoor cable products is offered in tight buffer and loose tube designs. Armored, burial, and ruggedized designs are suited to a host of industrial

Single Mode Fiber Cables, Single-mode Duplex Cables, OS2 Patch Cables

OS2 SC SC Indoor/Outdoor Fiber Patch Cables | Duplex Single-Mode Fiber Jumper with Corning 9/125um core/cladding. A rugged, tightly buffered, black, indoor/outdoor, water/UV resistant, fiber

Fiber Optic Cable

Find here Fiber Optic Cable, OFC manufacturers, suppliers & exporters in India. Get contact details & address of companies manufacturing

Fiber Optic Cables

APPLICATION The cable is specially designed for harsh environments. The internationally known multilayer inner sheath ALPA® construction: Aluminium/HDPE/PA (nylon) withstands aggressive

Draka FireTuf Fire Resistant Fibre Optic Cable

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

Tight Buffer Plenum Fiber Cable

Get the OS2 Single Mode Plenum Fiber Cable with Corning fiber features 2-24 tight-buffered strands. OFNP rated with aramid yarn for indoor/outdoor installations.

Fiber Optic Patch Cord, Single Mode & Multimode Patch Cord

Fiber patch cords are one of the most widely used basic components in optical communications. UnitekFiber supplies FCSTSCLCMTRJ and PCAPCUPC patch cord in cheap price. Welcome

The Gear Page

Join a vibrant community of musicians and gear enthusiasts discussing instruments, effects, setups, and more on The Gear Page forum.

Fiber Indoor & Outdoor Cables

C-DA Fiber Optic Cable, Indoor/outdoor Low Smoke Zero Halogen, CPR-only flame rated, Drop Armored

Haile Armoured 8-core single-mode outdoor flame retardant fiber optic ...

Buy Haile Armoured 8-core single-mode outdoor flame retardant fiber optic cable GYTZA-8b1.3 HT211Z-8SC. Durable, UV resistant, and ideal for telecom networks. Available in 1000m lengths for bulk orders.

BlueOptics SFP3138BU5MS Fibre Optic Cable 5m LC to E-2000 | AiO.lv

Description The BlueOptics SFP3138BU5MS is a high-quality 5-meter singlemode fibre optic patch cable designed for professional network environments. Featuring LC and E-2000 (LSH) connectors, this

12 Core Indoor Fiber Optic Cable

Each fiber ribbon can transmit a distinct communication signal, enabling the simultaneous transfer of multiple data streams. Additionally, the optical fiber 12

Draka FireTuf Fire Resistant Fibre Optic Cable Range

These cables are suitable for indoor installations and in ducts outdoors where fire security is a primary concern and there is a risk of damage from rodents.

OS2 Fibre Optic Cables - Mouser Europe

OS2 Fibre Optic Cables are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for OS2 Fibre Optic Cables.

12 Core Singlemode Optical Fibre Cable UDU OS2 | Brand-Rex

Buy GF008UNI12LU Brand-Rex 12 core loose tube OS2 LSOH fibre optic cable - Universal duct grade unitube cable (UDU). Cut to order per metre.

TKF fiber optic cable 8 core, singlemode, Armored-Out

Singlemode 9/125 Optical Fiber Wavelength - 1310/1550nm Link Length: 10,000 m (1Gb/s@1550nm), 5,000 m (10Gb/s@1550nm) Bandwidth (EMB High Performance): 4700MHz.km@850nm Heavy Duty

8 Core Armoured Singlemode Flame Retardant Fiber Cable

Suitable for direct burial Features & Benefits Available in sizes from 4 to 24 fibers
Jelly filled (non-dripping and silicon-free) loose tube with primary coated optical fibers
(Ø 250 ± 15 µm) High

The 23 Best Fiber Optic Cables of 2026

We recommends Top-Rated Fiber Optic Cables Deals You Can Buy Online for July 2026 on Amazon, As Tested by CherryPicks Editors and analyzed 511,554 customer reviews to

10 Meters (30 Feet) LC to LC Outdoor Armored Simplex Fiber Patch Cable ...

Buy 10 Meters (30 Feet) LC to LC Outdoor Armored Simplex Fiber Patch Cable, Single Mode Fiber Optic Cable Jumper Optical Patch Cord, 9/125um, (OS1/OS2 Compatible), Low Friction LSZH Black

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.

Loose Tube Outdoor Cable OS2, 8-Core, SC/UPC

High-quality SC-SC single-mode (mono-mode) Loose Tube installation outdoor cable for laying in a tube above- or underground. Black multi-purpose cable with

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

8 Core Armoured Singlemode Flame Retardant Fiber

Jelly filled (non-dripping and silicon-free) loose tube with primary coated optical fibers
(Ø 250 ± 15 µm) High mechanical and full rodent protection provided by

8 Cores GYTS Fiber Optic Cable Stranded Steel Tape

8 Core GYTS Fiber Optic Cable is the outdoor fiber optic cable type used for duct and aerial applications. We supply single mode GYTS fiber optical cable and multimode GYTS fiber optic

Contact Us

For more information, pricing, or custom solutions, please contact us:

Website: <https://www.dknconsulting.co.za>

Email: info@dknconsulting.co.za

Phone: +31 6 2948 7351

Address: Herengracht 123, 1015 BT Amsterdam, Netherlands

This document is for informational purposes only. Specifications subject to change without notice.

