

RIVO MULTITRADE OPTICAL SYSTEMS

Price of non-metallic fire-resistant optical cable



Overview

Draka FireTuf OFC-LT-NM Fire Resistant Fibre Optic This FireTuf fire resistant fibre optic range is fully compliant with fire resistant standards and flame.

Key Takeaways

Non-metallic fire-resistant optical cables typically range from \$2 to \$10 per meter, depending on fiber count, type, and fire-resistance rating.

Non-metallic fire-resistant optical cables, such as the Draka FireTuf OFC-LT-NM and ZTT non-metallic armored fiber optic cables, are designed to maintain signal integrity during fire events while minimizing smoke and toxic gas emissions. They are commonly used in life safety systems, including fire alarms, emergency lighting, and communication networks, as well as in high-risk environments like tunnels, metro systems, and public buildings.

Factors Affecting Price

- **Fiber Count and Type:** Cables are available in singlemode (OS2) and multimode (OM1, OM3, OM4), with fiber counts ranging from 4 to 144 cores. Higher fiber counts and singlemode variants generally cost more.
- **Fire-Resistance Standards:** Compliance with standards such as IEC 60331-25 or BS 6387 ensures circuit integrity during fire, which increases manufacturing complexity and cost.

- **Sheathing Material:** LSZH (Low Smoke Zero Halogen) sheaths reduce smoke and toxic gas emissions, adding to the price. Some cables include glass yarn reinforcement for additional fire protection .
 - **Mechanical Protection:** Non-metallic armored cables may include TPE or other durable outer jackets for abrasion, oil, and water resistance, which also affects cost .
- Typical Price Range
- **Low fiber count (4–24 fibers):** Approximately \$2–\$4 per meter
 - **Medium fiber count (24–72 fibers):** Approximately \$4–\$7 per meter
 - **High fiber count (72–144 fibers):** Approximately \$7–\$10 per meter Prices vary by supplier, region, and bulk order quantities. For precise pricing, contacting distributors such as FSCables, Webro, or LAPP Camuna Cavi is recommended .
- Summary

Non-metallic fire-resistant optical cables are a critical investment for safety and communication reliability. While the price depends on fiber count, type, and fire-resistance features, the typical range is \$2–\$10 per meter. Selecting the right cable involves balancing cost, fire safety compliance, and long-term reliability.

Article Content

Fire Resistant Fibre

QFCI OM4 50/125 Fire Resistant Armoured Loose Tube Fibre Optic Cable Marine DNV-GL & ABS Approved QFCI OS2 9/125 Fire

Non Metallic Armored Fiber Optic Cables | ETK Kablo

Choose ETK Kablo's Non-Metallic Armored Fiber Optic Cables for a lightweight, corrosion-proof, and electrically safe solution

Fire Resistant Fibre Optic Cable 4

Available in both multimode (OM3/OM4) and singlemode (OS2) variants, they support configurations from 4 to 24 cores in a durable

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

Outdoor fiber Cable Non-metallic Non-armored fiber optic Cable

Non-armored stranded loose tube fiber optic cable features FRP as the central member, ensuring the resistance to electromagnetic

QFCI Fiber Cable | Lifeline® MC Cable | Fire Rated Cables

We carry RHW-2 and RW90-Two-Hour Fire cables as well as Two-Hour Horizontal and One-Hour Vertical Cables. We also carry

Non Metallic Armored Optic Cable: Durable & Customizable

Looking for a non metallic armored optic cable? Discover durable, customizable solutions with UV resistance, double

FCD LC SC OM1 Plenum Fiber Optic Patch Cable - Flame-Rated

About this item LOW-SMOKE, HEAT-RESISTANT PLENUM RATED - This fiber optic patch cable features a heat-resistant, low

Fiber Optic Cables

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

Fiber Optic Cable

Belden's extensive line of indoor and outdoor cable products is offered in tight buffer and loose tube designs. Learn more about each

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

Flame Retardant Fire Resistant Optical Cable Market 2025-2032

The Asia-Pacific region dominates the global flame retardant and fire resistant optical cable market, accounting for

Lifeline™ Fire Resistant Fiber Optic Cable | Prysmian

Discover Lifeline™ QFCI fire resistant fiber optic cable for reliable communication in emergency systems. Learn more about its

Types and characteristics of flame-retardant optical cables

The fire-resistant optical cable can also ensure the smoothness of the circuit under the condition of flame burning, and the flame

QFCI Fiber Cable | Lifeline® MC Cable | Fire Rated Cables

Lifeline® MC Cable is exclusively stocked by Priority Wire & Cable. We carry RHW-2 and RW90-Two-Hour Fire cables as well

Indoor/Outdoor Non-Metallic Fiber Optic Cable

Indoor/Outdoor Non-Metallic Fiber Optic Cable The fiber, either single-mode or multimode type, are positioned in a loose tube made

QFAI Fire Resistant Loose Tube Fibre Optic Cable Armoured Marine

The QFAI fibre optic cable range are fire resistant and flame retardant. 3rd party approved by DNV- GL & ABS ensures quality and

Fiber Optic Cable Buying Guide

Fiber Optic Cable Buying Guide Understand how to choose fiber optic cable by comparing single-mode vs. multimode, network

Contact Us

Continue your research online:

Website: <https://rivomultitrade.co.za>

Technical inquiry: <https://rivomultitrade.co.za/contact.html>

This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

