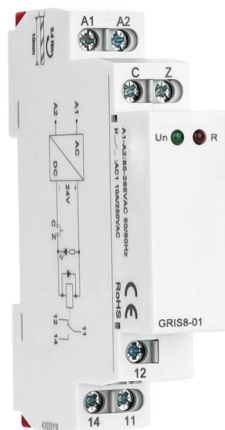


Fireproof Optical Cable Model List



Overview

Lifeline QFCI Reference List Lifeline® QFCI is the first UL flame listed optical cable designed for indoor/outdoor use in vital communication and emergency.

Key Takeaways

Fireproof optical cables are available in a variety of models, including single-mode and multi-mode fibers, armoured and unarmoured designs, compliant with Euroclass, British, and international fire-resistance standards. Key Fireproof Optical Cable Models and Types

1. Optral CPR Fire-Resistant Optical Cables

- Fiber Types: Single-mode and multi-mode
- Fire Ratings: Euroclass Dca, Cca, B2ca
- Applications: Marine, offshore, broadcasting, HD TV cameras, sensing and monitoring systems
- Certifications: UL, Bureau Veritas, DNV
- Construction: Available in armoured and unarmoured designs for critical applications

2. APAR Fire Resistant / Fire Survival Optical Cables

- Fiber Types: G652.D, G657.A, G655 single-mode; OM1, OM2, OM3, OM4 multi-mode
- Fiber Count: 2F to 512F

- Fire Performance: Operates for 3 hours in fires up to 750°C
 - Sheath: LSZH, FR, UV-stabilized, weather-resistant
 - Applications: Fire alarm systems, voice evacuation, tunnels, metro lines, public buildings
 - Construction: Gel-filled loose tubes, steel wire or corrugated steel tape armour for mechanical strength
- ### 3. ZTT Fire-Resistant Optical Cables
- Fiber Count: 16 to 128 fibers
 - Fire Rating: B2ca (Euroclass)
 - Construction: Multitube loose tube cables, non-metallic armoured options
 - Applications: Indoor, tunnel installations, industrial environments
 - Temperature Range: -20°C to 70°C, withstanding up to 750-800°C in fire conditions

4. Caledonian Fireflex Optical Cables

- Sheath Materials: LSZH, flame-retardant RPVC
 - Construction: Single-core, multicore, or multi-pair; armoured or braided; with or without metallic screen
 - Insulation: Elastomeric (EPR, SR), thermosetting (XLPE, LSZH), or thermoplastic (EVA, LSZH)
 - Applications: High fire-risk environments requiring durable, fire-resistant optical transmission
- ### 5. Eland Cables Fire Performance Optical Cables
- Standards Compliance: BS8434-2, BS8519, BS5839-1, BS5266, EN 50200 (PH30, PH60, PH120)
 - Fire Resistance: Standard and enhanced grades, including PH120 for 2-hour operation
 - Construction: Single-core and multi-core, steel wire armoured for mechanical protection
 - Applications: Emergency lighting, fire alarm systems, life safety circuits, unsprinklered high-rise buildings

Summary

Fireproof optical cables are available in single-mode and multi-mode fibers, with armoured or unarmoured constructions, and sheath materials like LSZH, RPVC, or XLPE. They comply with Euroclass (B2ca, Cca, Dca), British standards (BS8434-2, BS8519, BS5839-1), and international certifications (UL, DNV, Bureau Veritas). Fiber counts range from 2F to 512F, and they are designed to maintain operation in high-temperature fire conditions for critical communication, emergency, and industrial applications.

Article Content

Lifeline QFCI Reference List

Lifeline® QFCI is the first UL flame listed optical cable designed for indoor/outdoor use in vital communication and emergency

Lifeline™ Fire Resistant Fiber Optic Cable | Prysmian

This innovative cable features a patented design that ensures functionality for over three hours in temperatures reaching 1000°C. It is

Fire-resistant optical cable

Find your fire-resistant optical cable easily amongst the 22 products from the leading brands (ZTT, Yuhong, UPCOM, ...) on

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

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

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 as

CPR Optical Cables | Fire-Resistant | OPTRAL

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

Fire Resistant Fiber Optic Cables CPR B2ca | ETK Kablo

For fire-critical areas, choose fire-resistant, LSZH fiber optic cables that are certified (e.g., FE180 and CPR B2ca) to maintain

Fiber Optic Cables

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

Fiber Optic Cable: Jacket & Fire Rating

This article examines fiber optic cable jackets, materials like LSZH, and fire ratings such as plenum and riser. It defines

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

Fiber Optic Cable Buying Guide

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

Lifeline® Fire Rated Cable Systems | Prysmian

Lifeline® QFCI Fiber Optic Cable The QFCI cable is an essential part of critical communication and emergency systems, suitable for

Fire Resistant Central Loose Tube Fiber Optic Cables

Fire Resistant Central Loose Tube Fiber Optic Cables APPLICATION These cables are characterized by light weight and small

Fire-Resistant Fiber Optic Cables: Meeting EU Safety Standards for ...

Fireproof fiber optics ensure safety in commercial buildings by meeting EU standards like CPR and EN 50575, reducing fire risks and

Indoor Fiber Optic Cables | Flame Retardant Indoor Cable Products

Corning indoor fiber optic cables are used in spaces that require a flame retardant jacket. These cables may be deployed in duct

Fire resistant/survival cables

LSZH Fire Resistant Cable Solutions for Public Buildings Tunnels and Metro Lines Our fire resistant/fire survival cables feature a

TRATOS FIRESAFE-OPTI®

They list the methods of cable attachment, how circuit continuity is measured, the test voltages and the burner gas and air mixture.

Contact Us

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

