

QFCI optical cable



AI Overview

QFCI is a fire-resistant, armoured loose tube optical fiber cable designed for indoor, outdoor, and marine applications, capable of operating during fires up to 1000°C. Key Features:

- Fire Resistance:** QFCI cables are designed to maintain circuit integrity for over 3 hours in fires up to 1000°C, meeting IEC 60331-25 and NEK TS 606:2016 Type F1 standards, ensuring emergency communication systems remain operational during fire events.
- Construction:** The cable features a central strength member, jelly-filled loose tubes containing up to 12 fibers each, mica tape fire protection, fiberglass yarn strength members, and a steel wire braid armour for mechanical protection.
- Outer Jacket:** Made from Low Smoke Halogen-Free (LSHF/LSZH) material, providing resistance to fire, UV, oil, and marine environments.
- Fiber Types:** Available in various fiber types, including OM3 50/125 multimode, with color-coded tubes and fibers for easy identification during splicing and termination.
- Environmental Suitability:** Designed for indoor/outdoor use, offshore installations, ships, and yachts. The cable is resistant to water, mud, and mechanical impact, making it suitable for harsh environments.
- Applications:**
 - Emergency Communication Systems:** Ensures vital communication links remain functional during fire emergencies.
 - Marine and Offshore Installations:** Ideal for ships, oil rigs, and offshore platforms due to its DNV, GL, and ABS approvals.
 - Industrial and Critical Infrastructure:** Suitable for indoor/outdoor installations where fire safety and reliability are critical.
- Certifications and Standards:**
 - IEC 60331-25: Fire-resistant circuit integrity
 - NEK TS 606:2016 Type F1: Fire protection standard
 - DNV, GL, ABS approvals: Marine and offshore compliance
 - UL Flame Listed: Indoor/outdoor fire-rated applications

QFCI optical cables combine robust mechanical protection, fire resistance, and environmental durability, making them a reliable choice for critical communication systems in hazardous or high-risk environments.

Article Content

Microsoft Word

QFCI / Oil and Gas, Circuit Integrity Loose Tube Fibre Optic Cable – Indoor and Outdoor, Fire Resistant – SW Braid Armour, Circuit Integrity

Marine loose tube fiber optic cable, QFCI

QFCI - Loose Tube Fibre Optic Cable Fire Resistant and Fire Retardant, Armoured SHF1 Sheath. DNV-GL & ABS Approved.

Lifeline QFCI Reference List

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. It is the best and

SPECIAL HIGH PERFORMANCE CABLES

APPLICABLE STANDARDS Optical fibre characteristics IEC 60793-1 Optical fibre cable characteristics IEC 60794-1 Fire Resistant IEC 60331-25 EN 50200 PH30/PH120 Fire retardant IEC 60332-3 EN

Armada® QFCI Fibre Optic Cable DNV-GL Certified No:

Armada® QFCI Fibre Optic Cable DNV-GL Certified No: TAE00000JG Application A Fire Resistant Fibre Optic Cable suitable for Indoor & outdoor applications.

Fibre Optic Cables

QFCI/QFCB Fibre Optic Cable Description: A Fire and MUD Resistant Fibre Optic Cable suitable for Indoor & outdoor applications. The base cable is DNV-GL approved acc. to certificate number

FM4DF11P2480CLF datasheet, PDF

FM4DF11P2480CLF is an The connector;Connector bracket manufactured by Amphenol. Download the FM4DF11P2480CLF datasheet to learn more about specifications, pins, packaging and other

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 advanced protection today.

F101 QFCI

Applications These steel armoured optical fibre cables are flame retardant, low smoke, halogen free and fire resistant, used for communication and emergency systems that need to be operational during

Application General Construction

General Construction The cable contains upto 48 colour coded optical fibres contained in upto 4 colour coded loose tubes, each tube contains no more than 12 fibres. These tubes are filled with a

Marine Fiber Optic cable

This specification covers the requirements for flame retardant optical cables used in communication and equipment of ships and mobile offshore platforms. The tube material is PBT compound extrusion

QFCI OM3 50/125 Fire Resistant Armoured Loose Tube

The cable is sheathed in a Low Smoke Halogen Free compound in accordance with IEC 60092-359 providing weather, UV & Oil resistance making the cable ideal for

Fiber Optic Cables

Fire resistant optical fibre cable, QFCI - code F101 NEK TS 606:2016 (available also in MUD protected version).

FM1SX14P2378MLF datasheet, PDF

FM1SX14P2378MLF is an The connector;Connector bracket manufactured by Amphenol. Download the FM1SX14P2378MLF datasheet to learn more about specifications, pins, packaging and other

Armada® QFCI Fibre Optic Cable DNV-GL Certified No:

A Fire Resistant Fibre Optic Cable suitable for Indoor & outdoor applications. Manufactured according to NEK TS 606:2016, this Armada® QFCI is DNVGL

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

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. The cable has a

FIRE RESISTANT QFCI F101

Optical cable for indoor and outdoor use in vital communication and emergency systems that need to be operational during fire. The cable has a design that ensures operation for more than 3 hours in fires

Lifeline® Fire Resistant QFCI Cable

Prysmian's Lifeline® technology provides a comprehensive selection of fire-resistant cable systems. Enjoy the advantages of easy installation, exceptional value in the electrical industry, and, most

QFCI | Fire-Resistant Loose Tube Optical Fiber Cable

Gel filled multi loose tube cable for indoor / outdoor installation. Each tube contains no more than 12 fibres and it is fire protected by mica tape. Strength members

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.

