

Fiber Optic Armored Single-Mode Four-Core



Article Overview

A 4-core single-mode armored fiber optic cable provides high-performance, long-distance communication with robust protection for harsh environments.

Overview

A 4-core single-mode armored fiber optic cable contains four individual single-mode fibers, typically with a 9/125 μ m core-to-core diameter, designed for long-distance, high-bandwidth transmission . The armored construction enhances durability, protecting the fibers from mechanical damage, moisture, rodents, and environmental hazards, making it suitable for both indoor and outdoor applications .

Structure

The typical structure of a 4-core armored cable includes:

- **Fibers:** Four single-mode fibers, color-coded (blue, orange, green, brown) for identification .
- **Buffering:** Each fiber is buffered to prevent microbending and signal loss.
- **Armor Layer:** Spiral steel or aluminum tape provides mechanical protection against crushing and rodent attacks .
- **Kevlar Layer:** Aramid yarn adds tensile strength and flexibility.
- **Outer Jacket:** Made from materials like TPU, PVC, or LSZH, offering abrasion resistance, UV protection, and water resistance . Some patch cable variants also inc...

Article Content

Nov 12, 2025

DRAKA optical cable 4 core, singlemode

DRAKA optical cable 4 core Outer diameter: 2 – 16 core: 7.5 mm Approximate weight: 2 – 16 core: 55 kg / km Maximum tensile

Aug 09, 2025

4Core LC/UPC-LC/UPC Singlemode 9/125 Fiber Optic Armored Patch

Welcome to buy our high quality products or wholesale our customized 4core lc/upc-lc/upc singlemode 9/125 fiber

Nov 11, 2025

4-core armored single-mode optical fiber

4-core armored single-mode fiber is a fiber optic communication cable specially designed to provide high reliability and

Jan 02, 2026

OS2 LC to LC Outdoor Armored Fiber Optic Cable 4

Experience unmatched speed and performance with this advanced fiber optic cable. Easy Installation and

Dec 07, 2025

4 Core SM Outdoor Armored Fiber Optic Cable 1000m TPU

Discover the 4 Core Singlemode Outdoor Armored Fiber Optic Cable, featuring a robust black TPU jacket for exceptional durability

Feb 13, 2026

Draka FT Fire Resistant Fibre Optic Armoured

Offered in OM1, OM3 and OM4 multimode and OS2 singlemode, in 4, 8, 12 or 24 core fibre configurations.

Apr 23, 2026

Armored Fiber Optic Cables

Plenum Armored Fiber Cable is our most popular choice for its versatility and can be used in riser or

Sep 08, 2025

4 Core Optical Fiber Cable

Our 4 Core FTTH Single Mode Optical Fiber Cables are designed to meet the specific needs of telecom operators and ISPs. They

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Affordable 4 Core Fiber Optic Cable

Explore our 4 Core Fiber Optic Cable, engineered for optimum data transmission with low attenuation, G.652D compliance, and high

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Single Mode 4 Core Armoured Cable

Shop high-quality single mode 4 core armoured cables for reliable outdoor communication. Bulk orders and competitive prices from

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

fiber optic cable 8 core, singlemode, Armored-Out Interlocking armored cables are standard distribution cables inside a spirally

Nov 21, 2025

Outdoor 4 Core Single Mode Armored Fiber Optic Cable with

Outdoor 4 Core Single Mode Armored Fiber Optic Cable with Polyester Tape, Find Details and Price about Cable and Fiber Optic

Jul 27, 2026

Fully Outdoor 4 Core Single Mode OS2 / FTTH Fiber

1310nm:0.296dB/km. Ensure high-speed, long-distance data transmission with this 4 Core Outdoor Single

Nov 16, 2025

E-link 328feet 100m LC to LC Outdoor Armored 4 core 9/125

About this item 200Meters,Outdoor Armored Cable,9/125,LC-LC,4 Core, Singlemode Great flexibility and durability with the a metal

Apr 19, 2026

4 core single mode armored fiber optic cable

*Multi-bare fibers used, to decrease the outer diameter and cable weight, also convenient for laying and

Nov 20, 2025

48 core armored Fiber Optic Cable G652d Single mode

ELV CABLE 48 core armored Fiber Optic Cable G652d Single mode with a connector pre terminated on one end and exposed fiber

Apr 24, 2026

Single Mode Fiber Optic Cables |

These custom-manufactured fiber cables are designed to withstand challenging environmental conditions and can be equipped with

May 06, 2026

Fiber Optic Cable

Armored, burial, and ruggedized designs are suited to a host of industrial environments. For each product design, items for OM1,

Feb 03, 2026

best 4 core ftth cable fiber optic Single mode outdoor

One of the key features of this fiber optic cable is its four-core design, which allows for higher data

Apr 24, 2026

4Core LC/UPC-LC/UPC Singlemode 9/125 Fiber Optic Armored Patch

MeFiberOptic is one of the largest and best 4core lc/upc-lc/upc singlemode 9/125 fiber optic armored patch

Dec 07, 2025

4-Core Outdoor Single Mode Fiber Optic Cable GYXTW-1000m

GYXTW is an outdoor use optical fiber cable suitable for duct and aerial applications. We supply GYXTW fiber optic cable from 2

Jul 06, 2026

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

Apr 14, 2026

FLYPROFiber

Easy Installation and Connectivity--- The OS2 LC 4-core outdoor armored fiber optic cable ensures hassle-free installation and

Contact Us

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

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

Email: sales@khanimamboguesthouse.co.za

Phone: +27 64 852 1973

Address: Unit 7, Greenway Business Park, 8 Innovation Drive, Centurion, 0157, South Africa

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