

Lc24 core single-mode fiber optic cable



AI Overview

LC24 core single-mode fiber optic cables are high-density, 24-fiber cables designed for long-distance, high-speed data transmission with LC connectors, suitable for indoor, outdoor, and data center applications.

Overview LC24 core single-mode cables use single-mode (9/125 μm) fibers, typically OS2 rated, which are optimized for long-distance transmission and high-speed networks such as 10G, 40G, or 100G Ethernet. They feature 24 individual fibers terminated with LC connectors on both ends, allowing for compact, high-density connections.

Cable Types and Construction

- Loose Tube Outdoor Cable** Designed for above-ground or underground installation. Features rodent protection, pulling aids, and a black multi-purpose jacket. Supplied on drums for lengths starting at 100 meters.
- Hydra Trunk Cable** Compact, flexible 3.0 mm micro-core cable with ruggedized 2 mm LC tails. Suitable for direct equipment connection without patch panels. Dual sheath (4.5 mm) options provide extra protection. Staggered LC pairs allow tidy patching in high-density racks.
- Breakout/Plenum Cables** Indoor use with FiberShield design for enhanced durability. 4.5 mm breakout style cable is flexible yet robust, 5x stronger than standard 3.0 mm cables. Ideal for data center racks and desktop/network connections. Plenum-rated for fire safety compliance in indoor environments.
- Tight-Buffered LSZH Cables** Brand-Rex 24-core OS2 cables with 900 μm tight-buffered fibers. Suitable for internal and external backbone or horizontal distribution. Can be cut to order per meter and terminated directly.

Key Features

- Connector Type:** LC-LC (UPC or APC options depending on vendor)
- Fiber Count:** 24 cores
- Fiber Type:** Single-mode (OS2, 9/125 μm)
- Applications:** Data centers, backbone networks, high-density patching, indoor/outdoor installations
- Durability:** Options include rodent protection, Kevlar reinforcement, plenum or LSZH jackets
- Bend Radius:** Micro-core and breakout designs allow small bend radius for tight spaces

Considerations Installation Environ...

Article Content

Fiber Optic Patch Cord, Single Mode & Multimode

Fiber Optic Patch Cord In this category, you will find various duplex and simplex LC/SC/FC/ST/Uniboot LC/MDC fiber optic patchcords, which are used to

Used Fiber Optic Cable YUTIANHOME 200 Meters (656 Ft) 6 Core

The product is a high-quality YUTIANHOME 6 core industrial TPU LC to LC armored fiber optic cable, designed for use in optical network applications. With a length of 656 ft. (200 meters), this single

OS1 / OS2 Single Mode Fibre Optic Cable

With a small diametral core, in a single mode fibre optic cable only one ray or mode of light is able to propagate at a time. All the signals travel straight in the middle without distortion including modal

Preterminated Fiber Optic Cable, OSP, 24F,

Our cables are shipped on a cable spool* with both ends secured for safe transport. The cables are delivered via FedEx or UPS, or if you contact us we can ship via

Fiber Optic Pigtailed | SC, LC, ST Single Mode & Multimode

Find high-quality fiber optic pigtailed for reliable network termination. We offer a full range of single mode and multimode pigtailed with SC, LC, ST, and FC connectors.

ALTOS® Loose Tube, Gel-Free Cable 24 F, Single

The loose tube gel-free design is fully waterblocked using craft-friendly, water-swallowable materials, which means cable access is simple and no clean up is

30ft Breakout Cable, 24 Core, Single-mode, SC-LC

Manufactured using OptoSpan Premium OS2 fiber, standard jacket Breakout Cable w/FiberShield is designed for light to medium duty indoor applications such as data-center racks and desktop/network

Loose Tube Outdoor Cable OS2, 24-Core, LC/UPC

High-quality LC-LC single-mode (mono-mode) Loose Tube installation outdoor

12 Core Single Mode Fiber Optic Cable

HES 12 Core Single Tube Steel Armored Fiber Optic Cable, SM 9/125µ Single Mode. Provides high-capacity and durable data transmission.

G652.D fiber optic cable with LC/UPC to LC/UPC single

G652.D Duplex Single-Mode (SM) fiber optic cable. It has two LC / UPC connectors at both ends of the cable. 100% verified cable, top quality and LSZH (Low Smoke

Loose tube outdoor cable OS2, 24 cores LC/APC-LC/APC

High-quality LCA-LCA single-mode (mono-mode) Loose Tube installation outdoor cable for laying in a tube above- or underground. Black multi-purpose cable with twelve cores, rodent protection and

24 Core Single Mode Fiber Optic Cable Multi-Tube

HES 24 Core Multiple Tube Steel Armored Fiber Optic Cable, SM 9/125μ Single Mode. Provides high performance and reliable data transmission.

Fiber Optic Cable Types | Omnitron Systems Guide

Explore fiber optic cable types, features, and applications. Omnitron Systems explains single-mode, multi-mode, and specialty fiber solutions.

5 Best LC Fiber Optic Patch Cord | Stop Replacing Broken Pigtails

The LC fiber optic patch cord that fits your link depends on whether you need single-mode reach, multimode density, or a multi-pack for a structured cabling refresh.

Complete Guide to Fiber Optic Cables for Data Centers

Everything you need to know about fiber optic cables for data center deployments. Covers OS2, OM3, OM4, OM5 cable types, LC/SC/MPO connectors, and

LSH-LC G.657.A Singlemode Fiber Duplex Patch cord

Optimal Fiber Optic Connections BlueOptics SFP3138 (compatible with Standard Code (Cisco)) Fiber Optic Patch Cable with LC/UPC-E2000/UPC connection in ##Length## length with fiber category

24 Core Single Mode Fiber Optic Cable Single Tube

HES 24 Core Single Tube Steel Armored Fiber Optic Cable, SM 9/125μ Single Mode. Ideal solution for large network applications.

24 Core Single Mode Fiber Optic Cable Single Tube

HES brand fiber optic cables are designed with high performance and reliability,

SC-LC Single-Mode Single-Core Fiber Optic Patch Cable 2M

Description: The SC-LC single-mode single-core fiber optic patch cable is designed for high-speed, low-loss data transmission. With a 2m length, it provides stable and efficient connectivity for short

Type A MPO/UPC Female (w/o pins) to LC/UPC Clipped fan-out,

Pasternack's PE3FCA730 fiber optic fan-out cord is a robust and versatile fiber optic cable assembly designed for high-performance data transmission in various environments. This cable assembly is

Breakout Indoor Cable OS2, 24-Core, LC/UPC-LC/UPC

High-quality LC-LC single-mode (mono-mode) breakout installation cable for

Fiber Optic Cable Types: Single-Mode, Multimode, and

Discover fiber optic cable types, including single-mode (OS1, OS2) and multimode (OM1, OM2, OM3, OM4, OM5), indoor/outdoor variants, and how

24 Cores Singlemode Fiber MPO/MTP

The single-mode and multimode MPO/MTP® products are multi fiber connectors used in high density backplane and Printed Circuit Board (PCB) applications in data and telecommunications system.

5 Meter Plenum Breakout Cable, 24 Core, Single-mode,

Manufactured using OptoSpan Premium OS2 fiber, standard jacket Plenum Breakout Cable w/FiberShield is designed for light to medium duty indoor

Contact Us

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