

Article Overview

Indoor single-mode optical cables are available in bulk from multiple suppliers, offering OS1/OS2 fiber, plenum-rated jackets, and 1000-foot reels for large-scale installations.

Key Features of Indoor Single-Mode Fiber Cables

Indoor single-mode fiber optic cables are designed for high-speed, long-distance data transmission. They typically have a 9/125 micron core-to-cladding ratio, allowing only a single light path, which reduces attenuation and supports distances up to 10 kilometers or more depending on the fiber type (OS1 or OS2) and installation environment . Plenum-rated (OFNP) and low smoke zero halogen (LSZH) jackets are available for safe installation in air-handling spaces .

Bulk Purchasing Options

- o Reel Sizes: Most suppliers offer 1000-foot reels, which are ideal for large-scale deployments in data centers, office buildings, or campuses .
- o Strand Counts: Options include single, duplex, 6-strand, or 12-strand cables, depending on network requirements .
- o Connector Compatibility: Indoor single-mode cables can be terminated with LC, SC, or ST connectors, and some suppliers provide pre-terminated or bulk cable for custom splicing .

Recommended Suppliers

- o trueCABLE - Offers OS2 single-mode fiber in indoor plenum and LSZH jackets, 1000-foot reels, and detailed spec sheets for each product .
- o CableWholesale - Provides duplex 9/125 single-mode fiber, plenum-rated, riser-rated, and bulk spools with technical support for installation .
- o DiscountFiber - Specializes in indoor single-mode plenum fiber, including NZ-DSF and Corning SMF-28 options, suitable for high-capacity networks .
- o Cables.com - Supplies bulk single-mode fiber in 1000-foot rolls with riser-rated construction for professional installers .

Considerations for Bulk Orders

- o Fiber Type: OS1 is suitable for shorter indoor runs, while OS2 supports longer distances and higher performance.
- o Installation Environment: Plenum-rated cables are required for air-handling spaces, while riser-rated cables are suitable for vertical shafts.



Wholesale of Single-Mode Indoor Optical Cables

o Splicing and Termination: Single-mode fiber requires precise connectorization due to its small core diameter, so professional installation is recommended . By selecting the appropriate fiber type, jacket rating, and reel size, you can efficiently deploy large quantities of indoor single-mode optical cables for high-speed, long-distance network applications.

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Proterial Cable America; high quality manufacturer of single mode fiber optic cable - providing cabling

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For installations in plenum airflow spaces, Primus Cable supplies the Simplex Fiber Optic Cable, Single Mode, 9/125, Corning Fiber,

Each person's fiber optic cable needs may be different--we carry LC, ST, and SC connectivity, single mode or multimode fiber optic

Product Description This is a black 1000 foot spool of indoor/outdoor plenum rated fiber optic distribution cable intended for long

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