



Huijue Four-Core Single-Mode Fiber Optic

Article Overview

The Huijue Four-Core Single-Mode Fiber Optic Cable is a single-mode optical cable designed for long-distance, high-speed data transmission with four optical cores.

Overview

The Huijue 4-core single-mode fiber optic cable is designed for high-performance, long-distance communication networks. Single-mode fiber allows only one mode of light to transmit, which minimizes modal dispersion and enables faster, more reliable signal transmission over long distances compared to multimode fiber. Each of the four cores can carry a separate data channel, making it suitable for small-scale network deployments or connections requiring redundancy.

Construction and Specifications

- o Core Count: 4 optical cores, each capable of single-mode transmission.
- o Fiber Type: Single-mode (SMF), typically with a 9µm core diameter for efficient long-distance transmission.
- o Cable Structure: Loose tube construction with jelly-filled tubes, water-blocking yarns, and a non-metallic central strength member. The outer sheath is LSZH (Low Smoke Zero Halogen) with protective strips for durability.
- o Performance: Optical fiber strain $\leq 0.6\%$ without fiber break or sheath damage; loss change ≤ 0.1 dB at 1550 nm.
- o Color Coding: Fiber cores are color-coded starting from blue for easy identification during installation.

Applications

- o Telecommunications: Ideal for connecting switches, routers, and other network equipment in buildings or campuses.
- o Data Centers: Supports high-speed, long-distance links with minimal signal loss.
- o Redundant or Serial Connections: Four cores allow for redundancy or serial communication setups, reducing the need for additional cables.

Purchasing and Availability

Huijue 4-core single-mode fiber optic cables are available for bulk purchase through suppliers and importers, with options for pigtails and pre-terminated connectors for easier deployment. Shipping and delivery details are typically negotiated with suppliers.



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Key Considerations

- o Distance and Bandwidth: Single-mode fiber is preferred for long-distance, high-bandwidth applications.
- o Redundancy: Four cores provide flexibility for backup connections or multiple channels.
- o Installation: Ensure proper handling to avoid bending or strain that could affect performance. The Huijue Four-Core Single-Mode Fiber Optic Cable is a reliable choice for small to medium-scale network installations requiring high-speed, long-distance, and low-loss optical transmission.

The products support G652D/G657A single-mode and multimode OM1/OM2/OM3/OM4 fibers in Simplex

When evaluating the 4 core single mode fiber optic cable price, buyers should consider not

Aerial distribution Measuring equipments Fiber optic communication system Optical active component and equipment Custom OEM

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

Discover 4 core single mode fiber optic cable for reliable fiber-optic communication. Ideal for indoor/outdoor use with CE

Sell Huijue 4 Core Single Mode Optical Cable in bulk to verified buyers and importers. Connect with businesses actively looking to

HJ ADSS Fiber Optic Cable G652D Single Mode 24/144 Core Aramid Yarn for Aerial Power Transmission Lines up to 220kV \$0.46

G202 Single-mode 4-core TPU Single-mode Armored Fiber Cable The G202-xxUSM-4LC is a four-core single-mode finished fiber

It is the stranded loose tube fiber optic cable with compact structure; the cable jacket is made of strong

4 core single mode fiber optic cable Details fiber optic core:4 core fiber optic cable Fibre optics type:single mode 4 core fiber optic

4 core armored cable Special Applications *Broadcast, *music events. *militarily use *outdoor emergency



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Supporting 5G small cells and traditional macro base station outdoor remote deployment, these cables use G657A2. 8 mm + FRP +

2 Core Huijue Outdoor Aerial Duct Fiber Optical Drop Cable Gyxtw53 4b1 Single-multi Mode For Communication Networking - Buy

Single-mode fiber optic cable (SMF) is the go-to choice for enterprise networks, thanks to its exceptional high-speed

Single-mode optical fibre is suitable for data transmission over long distances (>100km) and it tends to be used for cable TV, internet,

Product Description Gyxtw 4 Core Single Mode Fiber Optic Cable We are 20 years fiber optic cable manufacturer. Welcome to go to

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