

7 0 Fiber Optic Patch Cord



Overview

Patch cords shall be individually packaged with part numbers, descriptions, optical performance, code 39 barcode part number printed on each package, and QR code to access supporting documentation.

Key Takeaways

A 7.0mm fiber optic patch cord is a robust, low-loss cable designed for indoor/outdoor use, often armored and LSZH-rated, suitable for high-speed data transmission and telecom applications.

Overview

A 7.0mm fiber optic patch cord is typically an armored or reinforced cable designed for durability in harsh environments, including outdoor installations and Fiber to the Antenna (FTTA) applications. The 7.

0mm diameter provides extra protection compared to standard patch cords, allowing it to withstand mechanical stress, UV exposure, moisture, and dust. These cords are often LSZH (Low Smoke Zero Halogen) rated, reducing toxic fumes in case of fire.

Construction and Features

Core Count: Commonly 2 cores, but can vary depending on application. Armoring: Metal or aramid yarns for mechanical protection and water blocking. Jacket: UV-resistant, black outer jacket suitable for outdoor exposure.

Connector Types: LC, SC, ST, FC, MTRJ, MU, and hybrid combinations are available.

Performance: Low insertion loss and return loss, ensuring stable optical transmission.

Lengths: Customizable, typically from 1m to any required length.

Applications

Telecom and Data Networks: Used in FTTA, base station connections, and high-speed fiber networks.

Indoor/

Outdoor Installations: Suitable for both environments due to armored protection and LSZH jacket.

High-

Density Networks: Compatible with structured cabling systems, data centers, and PON or DWDM networks. Standards and Compliance7. 0mm fiber optic patch cords are manufactured to meet industry standards such as TIA-604 (FOCIS), IEC 61754, and ANSI/TIA-568.

3-E. They are tested for insertion loss, return loss, and connector durability, ensuring reliable performance in critical network applications.

Advantages

Durability: Armored design protects against physical damage and environmental factors. **Ease of Installation:** Fewer cable sheaths reduce installation time and cost.

Future-

Proofing: Can include spare ports for future equipment upgrades. **Lightweight:** Despite the armor, the cable is designed to minimize weight on towers and structures. In summary, a 7.

0mm fiber optic patch cord is a high-performance, durable solution for both indoor and outdoor fiber optic networks, offering armored protection, LSZH safety, and reliable optical performance for telecom, data, and high-speed network applications.

Article Content

VPC and LPC Fiber Patch Cords

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Fiber Optic Patch Cords Guide | Types, Connectors & Applications

Explore fiber optic patch cords for telecom, data centers, and FTTH. From LC/SC to MPO/MTP and armored jumpers, ZION Communication offers high-quality, customizable fiber patch

LCFiberOpticPatchCordCables LC F

Description Fiber Optic Patch Cable also known as fiber patch cord cable,optical cable or fiber optic jumper. As an important component commonly used in fiber optic networks, high quality fiber patch

Standard PM Fiber Patch Cables

Features Custom PM Patch Cables Use Model Number F-PATCH-CUSTOM to configure a custom fiber-optic patch cord using these fibers. You can specify the fiber type, length, jacketing, and input and

PATCH CORDS

3. Requirements Operating & Storage Temperature -40°C ~ 85°C Optical Performance Measurement Insertion loss and return loss listed in Table 3 are measured at 1310/1550nm. Connector Reliability

Premium-Line Fiber Optic Patch Cord

Fiber Optic Patch Cord MM Fiber optic patch cords are suited for equipment jumper cable, cross connects, and work area connections. All patch cords are 100% factory tested to ensure performance

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