Fiber Optic Patch Cord Connector Specification Table



Overview

FIBER PATCH CABLES DATASHEETFiber optic patch cables are ideal for supporting high speed telecommunication network fiber applications. They are manufacture.

Key Takeaways

Fiber optic patch cords come in multiple connector types (LC, SC, FC, ST, MU, LSH), fiber types (OM1–OM5, OS2, G. 652, G. 657), and performance specifications suitable for high-speed network applications.

Connector Models and Specifications Table

Connector Model

Fiber TypeModeJacket TypeStandard Insertion LossReturn LossDurabilityTypical LengthsNotesLC (Lucent Connector)OM1, OM2, OM3, OM4, OM5, OS2Single/MultimodeLSZH, OFNR≤0. 25 dB (standard), ≤0. 15 dB (low loss)≥26 dB (multimode), ≥50 dB (UPC single-mode), ≥60 dB (APC)>500 matings1–10 m standard, custom availableDuplex and simplex options, widely used in data centers and telecom networks SC (Subscriber Connector)OM1–OM5, OS2Single/MultimodeLSZH, OFNR≤0.

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25 dB (standard), ≤0. 15 dB (low loss)≥26 dB (multimode), ≥50 dB (UPC single-mode), ≥60 dB (APC)>500 matings1–10 m standard, custom availablePush-pull design, common in enterprise and FTTx applications FC (Ferrule Connector)OM1–OM5, OS2Single/MultimodeLSZH, OFNR≤0. 25 dB≥50 dB (UPC), ≥60 dB (APC)>500 matings1–10 mScrew-on type, high precision, used in telecom and measurement equipment ST (Straight Tip)OM1–OM5, OS2Single/MultimodeLSZH, OFNR≤0.

25 dB≥26 dB (multimode), ≥50 dB (UPC single-mode)>500 matings1–10 mBayonet-style, common in legacy networks and campus LANs MU (Miniature Unit)OM1–OM5, OS2Single/MultimodeLSZH, OFNR≤0. 25 dB≥50 dB (UPC)>500 matings1–10 mCompact design for high-density patch panels LSH (Leviton Small Form Factor)OM3, OM4, OS2Single/MultimodeLSZH≤0. 25 dB≥50 dB (UPC), ≥60 dB (APC)>500 matings1–10 mLow-loss, high-density applications, supports hybrid configurations Key Features Across Patch CordsFiber Types: Multimode (OM1–OM5) for short-distance high-speed networks; Single-mode (OS2, G.

652, G. 657) for long-distance telecom and WAN applications. Jacket Ratings: LSZH (Low Smoke Zero Halogen) for safety in confined spaces; OFNR (Riser) for vertical riser applications.

Performance: Standard insertion loss ≤0. 25 dB; low-loss versions ≤0. 15 dB.

Return loss varies by connector type and polish (UPC/APC) to minimize signal reflection. Durability: Most connectors rated for >500 matings, ensuring long-term reliability. Packaging and Traceability: Individually packaged with part numbers, length, end designation, and QR codes for factory test data access.

Special Features: Bend-insensitive fibers (G. 657-A2/B2) for tight-radius installations; hybrid connectors and custom lengths available for specialized deployments. This table provides a comprehensive overview of fiber optic patch cord connectors, their specifications, and typical applications, suitable for network design, procurement, and deployment planning.

Article Content

FIBER PATCH CABLES DATASHEET

Fiber optic patch cables are ideal for supporting high speed telecommunication network fiber applications. They are manufactured and tested in compliance with TIA 604 (FOCIS), IEC 61754 and

Fiber Optic Patch Cord Guide: Types, Connectors & Technical Basics

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Confused about fiber optic patch cords? Learn the differences between single mode and multimode, LC vs SC vs MPO connectors, and how to read specifications in this practical guide.

Fiber Optic Patch Cables: FC, SC, ST & LC Connector Guide 2026

Not sure which fiber optic patch cable to buy? This practical guide breaks down FC, SC, ST, and LC connectors—with specs and real use cases—so you choose right.

Standard Fiber Patch Cables Datasheet

Standard Fiber Patch Cables Applications Fiber optic patch cords are key components for efficient, low-loss optical signal transmission between devices and fiber optic cabling links. One or

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

13-SDMS-01 REV. 00 SPECIFICATIONS FOR FIBER OPTIC

This document specifies the minimum technical requirements for design, engineering, construction, manufacture, inspection, testing and performance of fiber optic connectivity components, consisting

VPC and LPC Fiber Patch Cords

Common connector patch cord configurations in 1, 2, 3, 5, and 10-meter lengths are stocked for quick service, while hybrid connector combinations, custom lengths, low loss, and custom color patch

Standard Fiber Patch Cable Datasheet | FS

Fiber optic patch cables are ideal for supporting high speed telecommunication network fiber applications. They are manufactured and tested in compliance with TIA 604 (FOCIS), IEC 61754 and

3M Fiber Optic Patch Cords and Pigtails

3MTM Fiber Optic Patch Cords and Pigtails 3MTM Patch Cords provide the interface between distribution cables and active optical equipment. Patch cords are offered in simplex and duplex cable

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

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Fiber Optic Connector Types Chart

The fiber optic connector types chart offers details on fiber patch cable types. Fiber optic patch cables provide transfer speeds in high bandwidth applications using a light signal to transmit with no outside

Fibre Optic Cable & Connector Guide

All fibre optic connectors have four basic components, which are the ferrule, connector body, cable, and coupling device. They have been widely used in the termination of fibre optic cables, such as fibre

Fiber Patch Cables Datasheet

Armored fiber patch cables feature a specialized jacketing that increases the durability of fiber cables. In addition, the stainless steel tube allow optical fiber to be installed in the indoor harsh environments

Fiber Optic Patch Cord Guide: Types, Connectors

Confused about fiber optic patch cords? Learn the differences between single mode and multimode, LC vs SC vs MPO connectors, and how to

Optical fiber connector

An optical fiber connector is a device used to link optical fibers, facilitating the efficient transmission of light signals. An optical fiber connector enables quicker connection and disconnection than splicing.

SINGLE-MODE FIBER OPTIC PATCH CABLES

Non-conductive, noise immune and affordable connections Get the best price-to-performance ration with these high quality, duplex, multi-mode and single-mode fiber optic patch cords. Each assembly is

LC-LC Fiber Optic Patch Cord

DESCRIPTIONS Fiber optic patch cord is also called fiber optic connector. It is dismountable, flexible and featured with small size, low insertion loss and lower price. Meanwhile, it is an indispensable

TECHNICAL DATA SHEET FOR OPTICAL FIBER PATCH CORD

Description fiber optic patch cord is a fiber optic cable capped at either end with connectors that allow it to be rapidly and conveniently connected to CATV, an optical switch or other telecommunication

Related Video Reference

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This document is for preliminary research. Verify specifications against current standards, product documentation and project requirements.

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