

10 Gigabit Fiber Optic Patch Cord Models and Specifications



AI Overview

10 Gigabit fiber optic patch cords are available in multimode (OM3, OM4, OM5) and singlemode (OS2) types with LC, SC, ST, FC, and MPO/MTP connectors, designed for high-speed 10GbE networks.

Fiber Types and Performance

Multimode Fibers (OM3, OM4, OM5): Optimized for 10GbE over short to medium distances. OM3 supports up to 300 meters at 10GbE, OM4 up to 400 meters, and OM5 extends support for wideband applications. These fibers are laser-optimized for VCSEL sources and provide high bandwidth (OM3: 2000 MHz·km, OM4: 4700 MHz·km) suitable for data center backbones and high-density networks.

Singlemode Fiber (OS2): Designed for long-distance 10GbE links, typically exceeding 10 km, ideal for telecom and campus networks.

Connector Types

LC (Lucent Connector): Common for duplex multimode and singlemode patch cords, compact and high-density compatible.

SC (Subscriber Connector): Standard for singlemode and multimode, easy to handle and robust.

ST (Straight Tip): Bayonet-style connector, often used in legacy networks.

FC (Ferrule Connector): Screw-on type, provides stable connections for singlemode fibers.

MPO/MTP: Multi-fiber connectors for high-density 40G/100G aggregation, also compatible with 10G when using breakout cables.

Jacket and Environmental Options

Standard PVC: Suitable for indoor installations.

Low Smoke Zero Halogen (LSZH): Reduces toxic fumes in case of fire, ideal for data centers and public buildings.

Ruggedized/Outdoor: Waterproof and UV-resistant jackets for outdoor or harsh environments.

Key Specifications

Insertion Loss: Typically ≤ 0.3 dB for LC/SC connectors, ≤ 0.5 dB for MPO/MTP.

Return Loss: ≥ 20 dB for multimode, ≥ 50 dB for singlemode.

Bandwidth: OM3: 2000 MHz·km, OM4: 4700 MHz·km, OM5: 4700–5000 MHz·km.

Length Options: Customizable from 0.5 meters to 100 meters or more, mea...

Article Content

SeaMAX MM-PC-SC/SC-1-D-OM3, Optical cord, 1m, duplex, 2.0mm,

The SeaMAX MM-PC-SC/SC-1-D-OM3 Fiber Optic Patch Cord is a high-performance duplex multimode fiber optic cable designed for reliable optical connectivity in data centers, enterprise networks,

TMT Single Mode LC-LC/UPC Duplex 3M Tight Buffered Fiber Optic Patch ...

Patch Cords include simplex, duplex and Multi-fibers assemblies. TMTGlobal Patch cables are manufactured and tested in compliance with TIA 604 (FOCIS), IEC 61754 and YD/T industry

10 Gigabit Fiber Optic Assemblies, 10 Gig Multimode Assemblies, 10

10 Gigabit Fiber Optic Assemblies- 10 Gigabit Fiber Optic Jumpers-MPO patch cords are 12-strand multi-fiber patch cords. Designed with precision molded MT ferrules, our female MPO assemblies are

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Black Box provides cutting-edge IT solutions and technology products to businesses worldwide, ensuring innovative and reliable services for global digital transformation.

10Gig,Fiber Optic Patch Cord,10 Gigabit,Fiber Optic Cable

10G fiber optic patch cord Catalogue in PDF. Typically this fiber optic patch cable is with 50/125 multimode fiber,with aqua jacket,they can be terminated with various

Cisco SFP Modules for Gigabit Ethernet Applications

This data sheet describes the benefits, specifications, and ordering information for the Cisco SFP Modules for Gigabit Ethernet Applications.

LC-LC 50/125 OM3 Multimode Duplex Fiber Optic Patch

Product Description 10 GB OM3 fiber optic patch cables feature an extremely high bandwidth--almost 3x that of a typical multimode cable! These cables are

Standard Fiber Patch Cables Datasheet | FS

PDF file

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

TCC Fiber Optic Patch Cord SC/APC-SC/APC 3M

Buy TCC Fiber Optic Patch Cord SC/APC-SC/APC 3M in Singapore,Singapore. - TCC Fiber Optic Patch Cord - Connector Type: SC/APC to SC/APC - Length: 3 meters - Cable Color: Yellow - Connector

10 Gigabit Fiber Optic Patch Cords, 10 Gigabit Fiber Optic Patch

10 Gigabit Fiber Optic Patch Cords- 10 Gigabit Fiber Optic Patch Cords-MPO patch cords are 12-strand multi-fiber patch cords. Designed with precision molded MT ferrules, our female MPO assemblies are

10-Gigabit Multimode Cables OM3

Amphenol OM3 50-Micron (50/125) Laser Optimized Multimode fiber optic patch cables combine scalable 10-Gig performance and backwards compatibility with legacy equipment. Specifically

Cables, Adapters, & Docking Stations: USB4, USB-C,

Cable Matters provides a large selection of innovative cables and accessories, we also educate consumers on the best product offerings. USB4, USB C,

FC Fiber Optic Pigtail Single Mode/Multimode G657 9/125 OM2 OM3

Each patch cord is 100% rigorously tested. JFOPT can provide fiber optic patch cord that comply with OS2, OM1, OM2, OM3, OM4, and OM5 standards, which can meet the requirements of Gigabit

OM3/OM4/OM5 Optical Fiber Patch Cord-10 Gigabit

This optical fiber patch cord conforms with TIA/EIA 492AAAA and IEC60793-2-10 A1b standards and complies with RoHS specifications. These fiber patch cords

Sonnet Solo 10G Thunderbolt 3 to SFP+ 10 Gigabit

It offers a 10 Gigabit Ethernet (10GbE) interface for your Mac or Windows computer with Thunderbolt 3 ports. This adapter provides a cost-effective way to add fiber

Gigabit Ethernet

Gigabit Ethernet was the next iteration, increasing the speed to 1000 Mbit/s. The initial standard for Gigabit Ethernet was produced by the IEEE in June 1998 as

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Structured Cabling Solutions

ICC is a structured cabling solutions manufacturer of copper & fiber optic connectivity products for commercial & residential applications.

Standard Fiber Patch Cables Datasheet

Fiber optic patch cords are key components for efficient, low-loss optical signal transmission between devices and fiber optic cabling links.

Contact Us

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