

# 50 meters of 12-core telecommunications fiber optic cable



## AI Overview

A 50-meter 12-core fiber optic cable is a high-density, multimode or single-mode cable designed for high-speed data transmission in data centers and enterprise networks.

**Overview** A 12-core fiber optic cable contains twelve individual optical fibers within a single protective jacket, allowing multiple data streams to be transmitted simultaneously. This makes it ideal for high-bandwidth applications, network backbones, and data center interconnects, maximizing efficiency while minimizing cable clutter.

**Types and Specifications**

- Multimode Fiber (OM3/OM4/OM5):** Suitable for short-range, high-speed connections up to 550 meters. OM4 cables often have an aqua or violet jacket and support 40/100 Gigabit Ethernet.
- Single-Mode Fiber:** Designed for long-distance runs, typically used in ISP backbones or campus networks. These cables usually have a yellow jacket.
- Core Size:** Common multimode fibers have a 50/125 micron core, supporting high-speed data transfer.
- Connectors:** MTP/MPO connectors are commonly used for 12-core cables, allowing easy trunking and breakout to LC connectors for individual device connections.
- Features**
  - Length:** 50 meters (164 feet), suitable for medium-range connections within buildings or data centers.
  - Jacket Types:** Options include plenum-rated (OFNP) for fire safety in ceilings and walls, or riser-rated PVC for general use.
  - High-Density Design:** A single 12-core cable can replace multiple individual cables, reducing installation labor and improving cable management.
  - Performance:** Supports data rates up to 100 Gigabit Ethernet, bridging legacy 1G/10G networks to modern 40G/100G infrastructures.
  - Applications**
    - Data Centers:** High-density interconnects between switches, servers, and storage devices.
    - Enterprise Networks:** Backbone connections and high-speed internal links.
    - Telecommunications:** Short- to medium-range fiber runs where multiple channels are required.

## Article Content

Go4Fiber Ltd-One Stop Fiber Optic Superstore

Fujikura 99S Core Alignment Fusion Splicer Kit Set for single fiber FSM-99S-GO4KIT-A  
Availability: \*This item cannot ship out of Hong Kong & Macau

192 Core Fiber Optic Cable

GYTA53 Outdoors DUCT CABLE UG UNDERGROUND STEEL ARMOR 4 6 8 12 16 24 32  
36 48 72 96 144 192 216 CORE FIBER OPTIC \$0.50-1 MOQ: 10000 meters Shenzhen  
Aixton Cables

Fibre Optic Termination Techniques – Wray Castle

Introduction to Fibre Optic Termination Fibre optic termination is the process of  
preparing the end of a fiber optic cable so it can connect to network equipment,  
another cable, or a patch

Single Mode Fiber Optic Cable 12 Strand MTP

These cables utilize the Multifiber Termination Push-on (MTP) connector. It's a high-  
performance version of the older MPO and is fully compatible. Each cable contains 12  
fibers or 6 duplex channels

Fiber Optic Cable Supplier, Distributor

Stocking distributor of fiber optic installation tools, bulk fiber cables, fiber patch  
cables, test equipment, cable management, fiber optic training and more.

Amazon : Fiber Optic Cable Tools

FTTH Fiber Optic Cold Connection Assembly Termination Tools Kit Bag with Visual  
Fault Locator Fiber Cleaver SC FC Connector Optical Power Meter Finder Cable Tester  
Stripper Tool Dust Free Paper

MTP 12-Strand OM4 40/100 Gigabit Type-B Fiber Optic

This 50 meter (164 foot) high-quality Plenum approved Type-B female MTP/PC (MPO)  
fiber optic cable is rated to 40/100 Gigabits. It features 12 fiber strands

How to Choose the Best 12 Core Fiber Optic Cable: A Complete

Learn what to look for in a 12 core fiber optic cable, including types, specs, pricing,  
and key buying considerations for reliable performance.

Tripp Lite N845-02M-12-Mg 100G Mtp/Mpo Multimode Om4 Plenum-Rated Fiber ...

Cable length: 2 m, Cable type: CMP, Fibre optic type: OM4, Connector 1: MPO/MTP,  
Connector 2: MPO/MTP, Core diameter: 50 µm The two-meter N845-02M-12-MG  
MTP/MPO Multimode Patch

## 12 Strands Pre-terminated Fiber Optic Cable 500 Meters

Multi Fiber Core Equipped with 12 fiber strands, enabling multiple data streams to be transmitted simultaneously.

## The FOA Reference For Fiber Optics

Fiber Optic Network Design Jump To: The Communications System Cabling Design  
Choosing Transmission Equipment Planning The Route Choosing Components

## Enbeam OM4 Multimode Armoured CST Fibre Optic Cable Loose

These compact, lightweight cables are extremely rugged, provide rodent resistance and are quick and easy to install. The cables are constructed around a silica gel filled tube(s) containing up to 24 colour

## How Many Cores Do You Need in Your Fiber Optic

Fiber optic cables are the backbone of modern internet infrastructure, but choosing the right one can be tricky. One key factor is the number of cores,

## 12 FIBER 50 UM OM3 MULTI-MODE

Armored Micro Distribution is flexible and easy to handle. 250 micron fiber optic strands are utilized in a loose tube design allowing for a higher fiber strand count in a very small overall diameter cable.

## 50m Multimode Fiber Optic Cable (50/125) OM3 Aqua

With ceramic ferrules and a 50/125 micron core, this cable is suitable for

## 12 core fiber optic cable om3 multimode indoor outdoor

TMT Global Fiber Optic Cable multimode 12 core fiber optic cable om3 TMT GLOBAL provides high-strength optical fiber cables for fiber optic cable core use

## Plenum MTP® OM4 Multimode Type B 12-Fiber Trunk

Perfect for scalable systems, this cable supports 10G, 40G, and 100G+ optical

## Corning | Materials Science Technology and Innovation

Amazon announced a multibillion-dollar agreement with Corning Incorporated, a leading manufacturer of advanced glass and fiber optic technology, to supply the

## 50 Meter Multimode Duplex Fiber Optic Cable (50/125)

Upgrade your network with our high-quality fiber patch cables, designed for lightning-fast speeds, reliability, and long-term performance. Perfect for home labs, enterprise networking, and high-speed

## 50M MTP Fiber Cable

This multimode, MTP/MPO fiber cable is comprised of 12 fibers or 6 duplex channels within each connector. These high density cables are perfect when you have

## Contact Us

For more information, pricing, or custom solutions, please contact us:

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