ZITHA TECH SPECIALTY CABLES (Pty) Ltd

24-core OM4 multimode fiber



Overview

Shop our huge range of Enbeam OM4 fibre cables. From loose tube fibre cable to 24 core we have something to suit your needs.

Key Takeaways

A 24-core OM4 multimode fiber cable provides high-bandwidth, short-to-medium distance data transmission with multiple construction options for indoor, outdoor, and harsh environments.Overview

A 24-core OM4 multimode fiber cable contains 24 individual optical fibers, each with a 50/125 µm core/cladding diameter, designed for high-speed data transmission over short to medium distances. OM4 fibers are optimized for high-bandwidth applications, supporting 10G, 40G, and 100G Ethernet over multimode networks, making them ideal for data centers, telecom infrastructure, and industrial networks .

Construction Types

1. Loose Tube, Unarmored, Multi-Tube, Jelly-Filled

• Features multiple tubes with up to 24 fibers in total.

• Jelly-filled tubes protect fibers from moisture and environmental factors.

• LSZH (Low Smoke Zero Halogen) sheath enhances fire safety by minimizing smoke and toxic emissions .

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• Flexible and easy to install in indoor or controlled outdoor environments. 2. Armored, Single-Tube or Multi-Tube

• Steel wire or interlocking aluminum armor provides rodent protection, crush resistance, and suitability for direct burial .

• Aramid yarn strength members enhance tensile strength.

• FireBur LSZH or flame-retardant jackets ensure compliance with safety standards.

• Suitable for harsh environments, tunnels, heavy-duty ducts, and industrial installations. 3. Loose Tube, Single Dry Tube

• Contains all 24 fibers in a single dry loose tube with E-glass strength members.

• Lightweight, compact, and flexible for quick installation in internal or external applications .

Key Features

• High Bandwidth & Low Insertion Loss: OM4 fibers support long-distance, high-speed data transmission with minimal signal degradation .

• Environmental Protection: Options include jelly-filled tubes, armored layers, and LSZH or flame-retardant jackets.

• Compliance: Many cables meet RoHS, REACH, and EU fire safety standards, ensuring environmental and safety compliance .

• Installation Flexibility: Available in single-tube or multi-tube designs, armored or unarmored, suitable for indoor, outdoor, and direct burial applications.

Applications

• Data Centers: High-speed backbone connections and server interconnects.

• Telecommunications: Short to medium-range network links.

• Industrial Networks: Harsh environment installations requiring armored protection.

• Campus or Interbuilding Links: Indoor/outdoor riser and backbone cabling. In summary, a 24-core OM4 multimode fiber cable offers versatile deployment options, high data throughput, and robust protection for a wide range of networking environments, from standard indoor installations to rugged outdoor or industrial applications .

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Article Content

24 Core, Multi-Mode OM4, Multi-tube, Jelly-filled, Un-Armoured, Loose ...

• 24 Core fiber optic cable for efficient and high-capacity data transmission. • Multi-Mode OM4 fiber supports fast and reliable

24 Core OM4 Multi-Mode Fiber Optic Cable Multi-Tube

This HES branded fiber optic cable series, enhanced with OM4 MultiMode fiber

TiniFiber® 24 Core 250um Multimode OM4 Armored Plenum

TiniFiber® is a revolutionary designed fiber optic cable that will provide the single best solution for all your fiber optic projects and

OM1 vs OM2 vs OM3 vs OM4 vs OM5 Multimode Fiber Guide

Compare OM1, OM2, OM3, OM4, and OM5 multimode fiber specs, distances, bandwidth, and applications. Essential

Multimode Fiber Types: OM1 vs OM2 vs OM3 vs OM4 vs OM5

Identified by ISO 11801 standard, multimode fiber optic cables can be classified into OM1 fiber, OM2 fiber, OM3 fiber,

OM4 Multi Mode Fiber Optic Cables |

Fiber4u offers OM4 Fiber Cable solutions designed for ultra-high-speed data transmission. With a core diameter of 50/125 µm, OM4

HES 24 Core Steel Armored Fiber Optic Cable OM4

Features: OM4 MultiMode Design: With a 50/125µ core-core diameter, OM4 MultiMode fiber technology

OM4 Fibre Cables

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24 Core OM4 Multi-Mode Fiber Optic Cable Multi-Tube

Features: OM4 MultiMode Design: With a 50/125µ core-core diameter, OM4 MultiMode fiber technology

Excel Networking Solutions

Enbeam OM4 multimode fibre optic cable tight buffered 24 core 50/125 G.657.A2 bend insensitive LSOH Cca black, part of a huge

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OM4 24 Core Armoured Fibre Cable

Buy online 24 core OM4 multimode Unitube Optical fibre cable with corrugated steel tape armoured outer jacket. Cut to order, price

24-Fiber 50/125 OM4 Ultra-Fox In/Outdoor Distribution,

OCC, DX, Distribution Series, 24-Strand, 900um Tight Buffered, Indoor/Outdoor, Chemical Resistant

24-Strand Corning OM4 Fiber, 10-Gbit, Indoor/Outdoor

Custom Length Product Description This is a black 1000 foot spool of indoor/outdoor rated fiber optic

TiniFiber® 24 Core 250um Multimode OM4 Armored Plenum

Micro Armor Fiber™ The Original Stainless Steel Armor Multimode 24 Fiber 250mm OM4 Plenum Armored Fiber Optic Cable

24 Fiber MTP / MPO OM4 50/125 Multimode Fiber Optic Patch Cable

The MPO fiber cable can be mass terminated in combinations of 4, 8, 12, 24 fiber ribbon/bunch cables. Optional Lengths available

24-Strand Fiber

24-Strand with Furcation Tubing OM4 Multimode 50/125 10/40/100 Gig Laser Optimized Fiber Distribution Cable; Choose

24 Fiber MPO Cable, Standard Male Custom Cable Assembly, Multimode OM4 ...

Our high-durability 24 fiber MPO cable are ultra-bendable, and laser optimized. Keep in mind that MPO cables work best with loose

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024T8P-31190-A3 | FREEDM® One Tight-Buffered,

Encased in a spirally wrapped, aluminum interlocking armor for ruggedness and superior crush resistance,

Ribbon Cable, Plenum 24 F, 50 µm multimode (OM4)

These cables consist of 12 to 144 fibers organized into 12-fiber ribbons inside a central tube. The nonarmored version contains

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760228965 | Z-024-LN-5K-F12BK/25D/E | CommScope

Fiber indoor/outdoor cable, LazrSPEED®, Single Jacket All-Dielectric, Low Smoke Zero Halogen (LSZH), 24 fiber, Multimode OM4,

OM3 vs OM4 Multimode Fiber: What''s the difference?

If you need longer transmission distance, OM4 multimode fiber is an ideal option. For OM3 and OM4 compatibility,

OM4 Multimode 50/125 10/40/100 Gig 24-Strand Fiber

This 24-strand OM4 multimode 50/125 fiber distribution cable has a standard two foot breakout on each

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