

Article Overview

OM3 multimode fiber optic cables in New Zealand are widely available for LAN, campus, and short-distance network applications, offering high bandwidth and easy installation.

Overview of OM3 Fiber Optic Cable

OM3 is a laser-optimized multimode fiber designed for high-speed data transmission over short distances, typically used in Local Area Networks (LANs), campus networks, and office buildings. It supports link lengths greater than 1000 meters at 850nm and 1300nm wavelengths, making it suitable for backbone, riser, and horizontal cabling applications . OM3 cables are compatible with network standards such as Ethernet, Fast Ethernet, FDDI, Token Ring, and ATM, and provide a cost-effective solution for transceivers using LEDs or VCSELs .

Key Features

- o Core Size: Typically 50um, optimized for high bandwidth and easy splicing .
- o Bandwidth: Supports 10Gb/s Ethernet over distances up to 300 meters, with smooth migration from 10Mb/s to 10Gb/s networks .
- o Installation: Equipped with coatings that reduce micro-bending and sensitivity, simplifying cabling and installation .
- o Cost Efficiency: Eliminates the need for expensive mode-conditioning patch cords and allows low-cost connections for multiple users .

Availability in New Zealand

Several suppliers provide OM3 multimode fiber optic cables in New Zealand:

- o element14 New Zealand: Offers a wide range of OM3 cables, including MULTICOMP PRO brand, with fast quotes, same-day dispatch, and technical support .
- o Mouser Electronics NZ: Stocks OM3 multimode fiber cables with datasheets and pricing information for various lengths and configurations .
- o 4Cabling: Supplies multimode and singlemode fiber optic cables, patch leads, and patch panels, with nationwide shipping and expert advice .
- o Prysmian: Provides detailed specifications and datasheets for OM3 fibers, emphasizing LAN and campus network applications .

Applications



New Zealand Special Optical Cable OM3

OM3 multimode fiber is ideal for:

- o LAN backbones and horizontal cabling
 - o Campus and building networks
 - o Data centers and server rooms
 - o High-speed Ethernet and fiber channel networks
- OM3 cables are designed for short-distance, high-bandwidth applications, providing a reliable and cost-effective solution for modern networking needs in New Zealand . For purchasing, technical specifications, and installation guidance, users can consult the suppliers' websites or contact product specialists directly.

Shop specials & clearance deals on Fibre Optic Cables with PB Tech's legendary low pricing. Buy online, or click & collect in 1hr*.

OM3 Fiber Applications OM3 fiber is designed with VCSEL, in line with ISO/IEC11801-2nd OM-3 fiber

Featuring a 50/125 fibre core and 125 cladding, our OM3 range boasts higher bandwidth and greater distance capabilities compared

OM3 fiber patch cables are also available for short distance high data rates fiber optic communications. We supply the OM3 fiber

DYNAMIX 2Km OM3 12 Core Multimode Tight Buffered Fibre Cable Roll. Indoor Outdoor Rated. Black ONFR Jacket Tight buffered

Tight buffered indoor/outdoor distribution cables consist of 2 to 24 of 250µm buffered optical fibres surrounded by members jacketed

PE/NY dry blocked, central non-metallic strength member cable with optical fibres contained in jelly filled

RS PRO 12-way TB Fibre Optic Cable From the trusted RS PRO brand, this twelve-way fibre optic cable has a robust LSZH outer

DYNAMIX OM3 12 Core Multimode Tight Buffered Distribution Series OM3 6Core Fibre Tight Buffered is

With an extensive range of fibre leads and fibre patch cables available, 4Cabling offers OM1 fibre

Buy 885366203 - MOLEX - Fibre Optic Cable, OM3 Multimode, 12 Fibres. element14 New Zealand offers fast quotes, same day



New Zealand Special Optical Cable OM3

OM3 Fiber Optic Cables are available at Mouser Electronics. Mouser offers inventory, pricing, & datasheets for OM3 Fiber Optic

RS PRO Fibre Optic Cables harness the power of glass threads (fibres) to transmit data through modulated light waves, ensuring

4Cabling is a Proud New Zealand Supplier of Multimode and Singlemode Fiber Optic Cables, Fibre Patch

Pearlyond Technologies New Zealand is a leading fiber optic supplier specialize in manufacturing and sales of fiber optic patch cords

Fibre Patch Cables GOF Outdoor 4 Core OM3 HITRONIC HQN1500 4G 50/125 OM3, For use outdoor / direct burial LAPP

Web: <https://www.kremgroup.co.za>

