

RIVO MULTITRADE OPTICAL SYSTEMS

Armored Multimode Fiber Optic Cable



Overview

Armored Fiber Optic Cables Armored Fiber Optic Cable, sometimes referred to as MC Fiber Cable or BX Fiber Cable, is optimized to 10M ST-ST Simplex Multimod.

Key Takeaways

An armored multimode fiber optic cable with ST connectors provides high-speed, short-distance data transmission with enhanced durability and protection against physical and environmental damage. Key Features



Fiber Type and Performance: These cables typically use OM3 multimode fiber (50/125 μm), optimized for high-speed applications such as 10 Gigabit Ethernet over short distances, commonly in LANs or data centers . Multimode fibers have a larger core than singlemode, allowing multiple light modes to propagate, which increases data throughput but limits transmission distance due to higher attenuation .

Connectors: The ST (Straight Tip) connectors are widely used in industrial and networking environments. They support duplex or simplex configurations, enabling simultaneous bidirectional communication or single-direction data flow depending on the setup .

Armored Construction: The cable is encased in steel or aluminum armor, providing resistance to crushing, bending, rodent damage, and environmental hazards. This makes it suitable for harsh indoor, outdoor, or industrial environments, including direct burial or areas with high mechanical stress . The armor maintains flexibility while protecting the fiber core, ensuring reliable signal transmission.

Durability and Safety: Armored multimode cables are crush-resistant, pull-proof, and immune to electrical interference. Many are also LSZH (Low Smoke Zero Halogen) rated, reducing toxic smoke in case of fire and making them safer for indoor installations .

Applications: These cables are ideal for:

- Data centers and structured cabling
 - Industrial and military communication systems
 - Short-distance high-speed networks (LANs)
 - Outdoor or hazardous environments requiring ruggedized cabling
- Installation and Maintenance:** Self-operated armored cables are designed for easy deployment without specialized handling, while maintaining high optical performance. They are optically tested for insertion loss before shipment, ensuring reliable connectivity .

Summary

An ST self-operated armored multimode fiber optic cable combines high-speed OM3 fiber performance with robust physical protection, making it suitable for demanding environments where both data integrity and cable durability are critical. Its armored design, duplex/ST connectivity, and LSZH safety features ensure reliable operation in industrial, outdoor, or high-traffic installations .

Article Content

Armored Fiber Optic Cables

Armored Fiber Optic Cable, sometimes referred to as MC Fiber Cable or BX Fiber Cable, is optimized to protect your fiber cable,

Preterminated Fiber Optic Cable, Armored, 6F,

This cable is built to your specified length and will include a pulling sheath for installation through conduit or

SteelFlex Armored OM4 Multimode Optic Fiber Cables

SteelFlex Armored Fiber Cables may be deployed in high stress areas such as naval vessels, aircraft, and the oil, coal or gas

Armored Fiber Optic Cables

The armored fiber optic cables have core diameter ranging from 62.5 microns, 50 microns, or 8.3 microns and 125 microns for the

Fiber Optic Cable

Fiber Cable Belden's extensive line of indoor and outdoor cable products is offered in tight buffer and loose tube designs. Armored,

Preterminated Fiber Optic Cable, Armored, 6F, Singlemode, ST

Fiber cable assembly, armored, singlemode, plenum, tight buffer, 2mm – 18" breakout, ST, ST, simplex, built to specified length, with

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Discover Fibertronics' armored fiber optic patch cables—rodent & crush resistant, flexible, and compact. Multimode & singlemode

Pre-Terminated Armored Multimode Fiber Optic Cables

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SteelPatch Armored Single and Multimode Fiber Optic Patch Cords

Industrial grade Simplex and Duplex fiber optic patch cables with OMx and OS2 ratings. Available in 9/125, 50/125 and 62.5/125

Amazon : Multimode Fiber Cable

Shop durable fiber optic cables with LC, ST, and SC connectors. Perfect for SAN networks, servers, and enterprise installations.

Armored Fiber Optic Cables

This category of fiber cables has a loose tube fiber single, interlocking armored and dielectric options available. In addition, we

12 Strand OM4 Interlocking Armor Fiber | Fiber Optic Cable

This cable is perfect for headend termination to a fiber backbone, termination of fiber rack systems, multi-floor deployment where

Multimode Armored Fiber Cable

TiniFiber® is “The Single Best Solution” for the highest quality fiber optic cables built around the smallest Outer Diameter (OD)

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