

Fiber Optic Communication Product Catalog



Overview

Corning's optical fiber products enable the voice, data, and video communications that are transforming our world.

Key Takeaways

Fiber optic communication products encompass cables, connectors, splicing systems, test equipment, and networking solutions for diverse applications in telecommunications, data centers, and industrial networks.

- Single-mode fiber cables: Designed for long-distance transmission with a small core diameter, ideal for telecom and long-haul networks .

- Multimode fiber cables: Larger core diameter for short-distance, high-bandwidth applications such as data centers and LANs .

- Fiber bundles and patch cords: Pre-assembled cables for easy deployment and interconnection .

Fiber Optic Connectors

- SC (Subscriber Connector): Square push-pull connector, widely used in FTTH and data centers .

- LC (Lucent Connector): Miniaturized connector for high-density applications, common in modern data centers .

- ST (Straight Tip): Bayonet-style connector for legacy and industrial networks .

- FC (Ferrule Connector): Threaded connector for high-vibration environments, used in factories and railway networks .

- MPO/MTP connectors: Multi-fiber connectors for high-density applications and parallel optics .

Splicing and Patch Systems

- SlimConnect: High-density 1U rack system supporting up to 96 fibers, suitable for data centers and large office buildings .

- VarioConnect, BasicConnect, EasyConnect, RailConnect: Modular systems for various applications, from compact installations to high-performance networks .

- Permanent and modular splicing systems: Ensure low attenuation and reliable fiber connections .

Fiber Optic Networking Solutions

- Optical switches and multiplexers: Enable efficient routing and signal management in complex networks .

- Polarization control devices: Maintain signal integrity in sensitive optical systems .

- Optomechanics: Components for precise alignment and handling of optical fibers .

Test and Measurement Equipment

- OTDRs (Optical Time-Domain Reflectometers): Measure fiber length, loss, and faults.

- Power meters and light sources: Evaluate signal strength and quality.

- Inspection microscopes: Ensure connector and fiber end-face quality .

Additional Components

- Amplifiers and repeaters: Boost signal strength for long-distance transmission .

- Sensors and switches: Integrate fiber optics into industrial and monitoring applications .

- Custom solutions: Tailored fiber optic assemblies for specialized requirements . This comprehensive range of fiber optic products supports telecommunications, data centers, industrial networks, and research applications, providing solutions for both standard and custom deployments .

Article Content

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Fiber Optic Cable Catalog

These products and the others found in this catalog are the result of Proterial Cable's relentless desire to manufacture the finest

Optical Communications Products

Corning offers a wide range of products for your communication network needs, including optical fiber, fiber optic, and copper

CORE PRODUCTS

Get to know us! Corning Optical Communications We are a leading manufacturer of fibre optic and

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Explore Corning's extensive range of optical communication products, including fiber optic hardware, panels, housings, and

Optical Fiber Products | Corning

From the desktop to the ocean, Corning optical fiber is enabling voice, data, and video communications to

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Applications Long-Haul Networks Central Office/Headend Data Center Fiber to the
Premise CATV Broadband 5G Networks

Fiber Optic Cables

CommScope designs and manufactures a comprehensive line of fiber optic cables—from outside plant to indoor/outdoor and fire

Fiber Optic Connectors

Corning's fiber optic connector technology includes proven field-installable fiber connectors which make fiber terminations fast, easy,

Fiber Optic Cable Inventory

OmniCable offers one of the industry's largest inventories of fiber optic cables and has launched a dedicated fiber program to support

Optical Fiber Resource Center

Corning's optical fiber products enable the voice, data, and video communications that are transforming our world. Get the details

Fiber Optic Cable Catalog

Fiber Optic Cable Table of Contents Introduction PCA Overview Other PCA Products Since 1986, Proterial Cable America has been

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Glossary of Terms Optical Fiber Resource Center Product Drawings Resource Center OptiSnap® Connectors Resource Center

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Corning products are available, compatible and easy to specify, purchase and install. We create innovative solutions, products and

Products | Corning

FlexNAP™ System Glossary of Terms Optical Fiber Resource Center OptiSnap® Connectors Resource Center Product

Fiber Optic & Accessories Product Catalog | Amphenol-Fiber Optic

Browse Amphenol FOP's product catalog with specifications for connectors, adapters, cable assemblies, accessories, and medical

Fiber Optic Products

Radiall designs, manufactures and markets high performance fiber optic components and end-to-end optical systems for the most

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