

Removal of high-speed optical cables



Article Overview

High-speed optical cable coatings and jackets can be removed using mechanical, thermal, chemical, or automated fiber strippers, depending on fiber type, coating material, and application requirements.

Mechanical Stripping

Mechanical fiber strippers are handheld tools with precision blades designed to remove polymer coatings such as acrylate, silicone, or polyimide without nicking the glass core. They are ideal for standard telecommunication fibers (125 μm cladding, 250 μm coating) and can also handle tight-buffered fibers (900 μm) and larger cable jackets. Some tools, like the trueCABLE 3-in-One stripper, feature multi-hole designs to sequentially remove jackets, buffers, and coatings with high accuracy and minimal fiber breakage .

Thermal Stripping

Thermal or thermo-mechanical strippers soften the coating with heat before removal, reducing the risk of scratches or nicks. Adjustable temperature and dwell time settings allow precise stripping of difficult or baked-on coatings, including fluoroacrylate and polyimide. Thermal strippers are suitable for single fibers, fiber ribbons, and high-strength splices, and can handle coatings up to 1200 μm in diameter .

Non-Contact and Automated Solutions...

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Fiber Strippers – tools, mechanical, thermal, chemical,

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Measuring Reflectance or Return Loss Reflectance Reflectance (which has also been called "back reflection" or optical return loss) of

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Top 10 Fiber Optic Mistakes to Avoid | trueCABLE

Avoid costly fiber optic installation errors. Learn the top 10 things NOT to do with fiber optic

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The Ultimate Optical Fiber Stripper Guide

The Anatomy of a High-Quality Optical Fiber Stripper Understanding the components of a

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Choosing a connector type for any installation should consider if the connector is compatible with the systems planned to utilize the

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Having trouble disconnecting the optical cable from your TV or soundbar without causing

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Sheath Removal and Mid-span Access of Corning Cable Systems

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PREFERRED OPTICAL FIBER CABLE TERMINATIONS

Practice : Apply approved requirements and assembly techniques and procedures in the termination of optical fiber cables used in

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OF FIBER OPTIC CABLES AND OPTICS cable and the inner surface of an optical module lens surfaces that should be properly

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How To Remove Fiber Optic Cable From Modem

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How To Remove Fiber Optic Connector□

Fiber optic connectors are essential components in fiber optic networks, providing a reliable connection between

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Procedure for Cutting and Respooling Fiber Optic Cable

GENERAL 1.1 Improper use of a respooler (Figure 1) can cause damage to a cable jacket or result in wavy fiber in tight buffered

Contact Us

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

Website: <https://www.chromadecksigns-eastrand.co.za>

Email: sales@chromadecksigns-eastrand.co.za

Phone: +32 2 318 5792

Address: Avenue Louise 500, 1050 Brussels, Belgium

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