

Fiber Optic Cable Drilling Tools



Article Overview

Fiber optic cable installation requires specialized tools for drilling, stripping, splicing, testing, and protecting fibers to ensure precise, low-loss connections.

Drilling and Cable Preparation Tools

- Heavy-duty shears and Kevlar cutters: Used to cut through cable jackets and Kevlar strength members without fraying or damaging the fiber inside .
- Cable jacket strippers: Remove outer protective layers cleanly to expose the fiber for termination or splicing .
- Precision fiber cleavers: Produce a perfectly flat, perpendicular end face with less than 1° angle, critical for low-loss splicing .
- Three-hole or multi-stage fiber strippers: Strip the 250µm buffer coating without damaging the 125µm glass core .

Splicing and Termination Tools

- Fusion splicer: Aligns and fuses fiber ends using an electric arc for high-strength, low-loss connections .
- Splice protection sleeves and sleeve heaters: Protect the fragile fusion point and ensure durability .
- Heat-shrink protection sleeves: Provide additional mechanical protection for splices .

Testing and Inspection Tools...

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Trenchless technology methods such as horizontal directional drilling help to install fiber

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Learn everything you need to know about drilling holes for fiber optics in this comprehensive guide. Master the

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Fiberoptic cable can be efficiently installed by horizontal directional drilling, plowing or

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Fiber Optic Termination and Inspection Tools, Kits, and

Complete kits for fiber optic cable assembly, termination, polishing, testing, and field installation.

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The Fastest Way To Install Fiber

The state of horizontal directional drilling in fiber installation: 2025 industry outlook
The horizontal

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How to Install Fiber with Horizontal Directional Drills

Find out what steps your crews need to follow in order to efficiently install fiber and make

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Fiber Optic Tools & Tool Kits

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