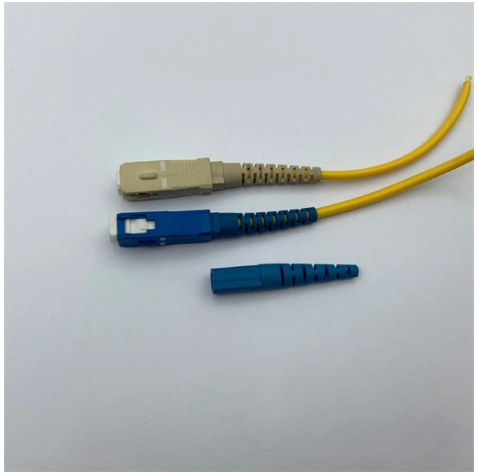
Essential tools for fiber optic cable installation



Overview

Ensure you''re using the correct type of fiber optic cable for your application and that all connections are properly matched.

Key Takeaways

Fiber optic cable installation requires specialized tools for preparation, splicing, testing, and cleaning to ensure signal integrity and network reliability.Cable Preparation Tools

Proper cable preparation is critical to avoid damage to delicate fibers. Common tools include:

• Fiber Optic Strippers: Precisely remove the outer jacket and buffer coating without damaging the glass core, suitable for 250–900 micron fibers and various jacket sizes .

• Kevlar Scissors/Shears: Designed to cut Kevlar or aramid yarn strength members cleanly, preventing fraying and maintaining cable integrity .

• Cleavers: Produce a perfectly flat, perpendicular end face with minimal angle deviation (

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