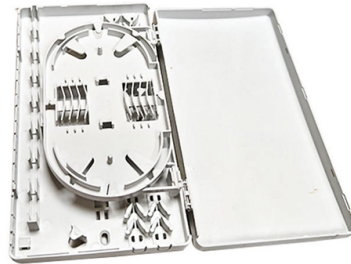


Stripping length during optical cable splicing



Overview

In general, the recommended strip length will be between 10 and 20 mm depending on the specifications of the specific fusion splicer. Fusion splicing is the primary method used to create permanent fiber optic connections. Let's explore the key steps and techniques involved in fusion splicing through my experience in the field. The two fibers are illuminated from two directions, 90 degrees apart. Multimode fiber is more often spliced by mechanical splices, as the higher loss is acceptable, reflectance is not a problem, and fusion. Firstly, it is important to consider that when stripping multi-layer cables for connectorization, each layer must usually be stripped individually, as they all usually need to be stripped to different lengths. 2 FutureFLEX fiber bundles are available in strand counts of 2, 4, 6, 12, 24, 48 and 72 fibers.



Article Content

Oct 15, 2025

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In this guide, we cover the basics of fiber optic splicing, how to perform splicing using two different methods, and finally some best practices to perform good fiber splicing.

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Fusion splicing starts with preparing the cable for splicing by stripping sufficient jacket length to expose the proper length of buffer tubes (if loose tube cable) and buffered fiber for the splice closure chosen.

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Good fiber optic stripping techniques in your cable assembly process are crucial. See best practices for how to strip fiber optic cable buffers & jackets.

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Fiber splicing process steps

After the optical cable is stripped, fix the optical cable in the optical cable splice box, strip the core tube, and do all the preparations before the optical fiber fusion.

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SUMITOMO RECOMMENDED PROCEDURE

Generally, strip 6" - 8" of additional fiber ribbon beyond the actual fiber required length needed. This is in case any optical fibers are damaged near the end of the bundle during stripping procedures.

Oct 10, 2025

NKT Photonics App notes

For faster, lower quality stripping, one can choose to burn the coating off with a normal cigarette lighter. However, this can result in a brittle fiber and is generally not recommended.

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Fusion splicing requires stripping a longer length of bare fiber than termination, so the choice of stripper is important. There are three types of fiber strippers available, known as (from Left) the Miller ...

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Learn fiber splicing and winding in 5 steps with pro tips on stripping, cleaving, fusion, and sleeve protection. Ensure low-loss, reliable fiber connections.

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VHO-Splice-fusion

To minimize fiber nicks, strip in one step instead of little bites as done with connectors. Place an alcohol pad (or lint-free wipe with pure isopropyl alcohol) between your thumb and forefinger, and wipe the ...

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In general, the recommended strip length will be between 10 and 20 mm depending on the specifications of the specific fusion ...

Contact Us

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