

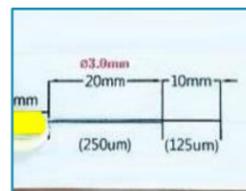


Watch the Termination Video

# TechLogix ECO Series™ Fiber Optic Connector Installation Guide. Better installations deserve better connectors.



Insert the connector boot onto the cable and strip about 50mm of the outer jacket.



Using the label on the connector package, measure and mark between the 250µm and 125µm sections.



Strip the colored buffer to the mark using the middle hole on your stripper.



Strip the underlying coating using the smallest hole on your stripper. It's easiest to strip in small increments.



Cleave the exposed fiber strand to 10mm in length.



Strip the remaining 20mm of buffer using the middle hole on your stripper. The total stripped length should now be 30mm.



Clean any impurities from your cable using a lint-free wipe and alcohol.



Insert the fiber into the connector body until the strand meets resistance and arches.



Remove the connector jig.



Lock the fiber inside the connector by pressing the amber button.



Screw the boot onto the connector body and trim any exposed Kevlar yarn.

ECO connectors are specific to zip-cord or distribution-style cable. This ensures a perfect fit between the cable and connector (and ultimately less signal loss).



The same standard termination tools are used regardless of cable or connector type: stripper, cleaver, VFL, sheers and cleaning wipes.



commonly used termination tools

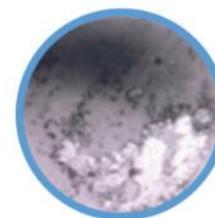
Most optical cabling features a strand jacket and underlying buffer for strength and durability. Properly stripping and cleaving these coatings help perfectly align the fiber strand within the connector ferrule. Improper alignment leads to signal stability problems.



properly aligned strand

improperly aligned strand

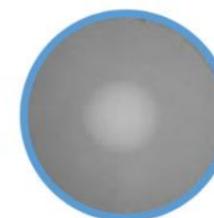
Some suppliers say you can skip cleaning the optical strand – *that's never a good idea*. Dust, dirt, pollen, fingerprints and even moisture from the environment can dramatically impact signal quality. Not only will contaminants obstruct the optical light wave, but temperature fluctuations will cause expansion and retraction within the connector ferrule putting the strand out of alignment leading to signal loss. *Always clean your optical strand for optimal long-term performance.*



close-up of dust and dirt on fiber



close-up of oil and moisture on fiber

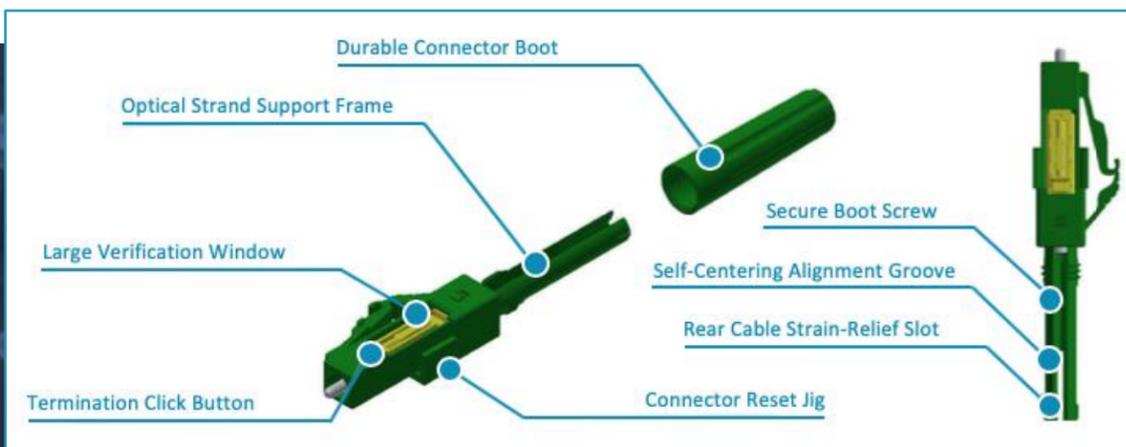


close-up of properly cleaned fiber

ECO connectors are designed for long-term performance. A self-centering alignment groove reduces strand breakage during termination, a tamper-resistant jig eliminates optical strand slippage during handling and operation, and a built-in button locks the strand in place without horizontal stress that can lead to microfractures and signal degradation over time. ECO connectors can be reset and re-terminated up to five times by replacing the tamper-resistant jig.



ECO SC-style connector



TechLogix ECO Series™ field-installable connectors provide the quick, easy and reliable termination of fiber optic cable – no epoxy, crimping, polishing or proprietary tools required.

Unlike other connectors which are marketed as “one size fits all” and experience signal variability on different cable formats, ECO Series™ connectors are cable construction specific to ensure perfect ferrule alignment and best-in-class long-term reliability. Plus, ECO connectors allow re-termination up to five times and are tamper-resistant when used with an included connector reset jig.

Learn more at [www.tlnetwork.com](http://www.tlnetwork.com).