

## Fiber Optic Cable Curing



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Thorlabs' PFC100 Series Curing Ovens are specifically designed for curing high performance connector epoxy during the fiber-to-ferrule termination process. Models are available with simultaneous curing ...



Ensure optimal fiber optic performance by selecting the right epoxy curing equipment for complete and effective curing. Learn more from our experts here.



The Fiber (strand) is glued to the connector assembly with heat-cured epoxy, providing a reliable connection with desired losses of less than 0.5 dB per mated pair.



Visit our website at for complete, easy-to-follow instruction videos for every facet of fiber optic preparation, termination, cleaning and testing.



Assembly teams are embracing UV curing for fiber optic connectors because it delivers optically clear, low-stress bonds in seconds—not minutes or hours.



To protect the fiber, two layers of coating material such as acrylate polymer or polyimide are applied in concentric layers and rapidly cured with high-intensity UV light. In some scenarios, both coating ...



To prevent epoxy “out gassing” that can cause fiber fractures and other connector problems, it is important that a connector curing oven provide reliable operation. The FIS Connector Oven is ...



The recommended curing times for terminating fiber optic connectors vary based on the adhesive. Curing at 60°C for 1 hour allows for adequate bonding without risking damage to the fibers.



It prevents epoxy “out gassing” that can cause fiber fractures and other connector problems. This reliable product cures a variety of connector types including FC, SC, ST, D4, SMA, LC, MU and MTP.



Optical fiber manufacturers use high-speed UV curing processes during fiber drawing, coloring, ribboning, and final fiber optic cable fabrication. Also used for wire and cable marking.

## Contact Us

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