

New Breakthrough in Optical Cable Fusion Splicing Technology

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At OFC 2025, Lightera unveiled a comprehensive lineup of optical fiber technologies designed to meet the escalating demands of hyperscale data centers, AI/ML workloads, and high-density interconnects.

Naturally, connecting Optical Fibers with such diverse special structures is not possible using conventional fusion splicing technology alone, and requires the supplementary application of ...

Ribbon cable can be spliced more rapidly by using mass fusion splicing technique. This application note provides basic understanding and process of mass fusion splicing of optical fiber ribbons.

AFL Global introduces the Fujikura 100S Fusion Splicer -- paired with the next-generation CT60 Cleaver. This launch delivers faster splicing, smarter automation and superior field productivity.

In the optical connector fusion splicing process, the prepared optical connector head and optical cable are mounted on the horizontal axis movement module of the fusion splicer, and after ...

This white paper by our partner Furukawa Electric explores the latest advancements in fusion splicing technology. It highlights new alignment methods, precision control techniques, and ...

Researchers at MIT have developed a nano-scale fusion splicer using lasers to join optical nanowires - potentially enabling on-chip fiber networks for quantum computing.

The integration of AI into fusion splicing is set to transform the fiber optic industry. It will be able to enhance precision, reduce downtime and improve performance.

At ANGACOM 2025, these industry leaders showcased the new FITELE S185EVROF fusion splicer, targeting advanced fiber-optic deployments. This breakthrough promises more robust ...

The fusion splicer has been recognized as an innovative product that reduces work time and errors in multi-fiber fusion splicing, earning the highest score in the "Data Center Fiber, Cable, ...

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