Ranked No 1 in the nation for fusion splicing optical cables

Overview

Poor fiber splicing, on the other hand, can lead to performance issues and increased maintenance costs.

Key Takeaways

Fujikura is widely recognized as the No.1 provider of fusion splicing solutions in North America and globally.

Fujikura has established itself as the leader in fusion splicing technology through decades of innovation and product development. The company introduced Profile Alignment Splicing (PAS) technology in 1984, which quickly became the industry standard for precise fiber alignment. Fujikura also pioneered the first ribbon splicer in 1988 and later developed the 24-fiber ribbon splicer, demonstrating its commitment to advancing splicing efficiency and productivity .

Technological Advantages

Fujikura fusion splicers feature dual-axis camera viewing systems, automatic arc calibration, and ruggedized designs that resist impact, rain, and dust, making them highly reliable for field and laboratory use . These splicers are capable of handling single-fiber and mass fusion splicing, supporting a wide range of optical fiber types and applications, from telecommunications to data centers .

Market Leadership

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Fujikura's products are widely adopted by telecom operators, cloud providers, and system integrators, reflecting their dominance in the market. AFL Global, a major distributor in North America, supplies and services Fujikura's fusion splicers, further reinforcing the company's position as the top choice for professional fiber optic splicing .

Applications

Fujikura splicers are used in high-speed data transmission networks, FTTx deployments, cable television, and enterprise networks, providing low-loss, high-strength fiber connections essential for modern optical communication . Their advanced alignment and monitoring systems ensure optimal splice quality, which is critical for maintaining network reliability and performance. In summary, Fujikura's combination of pioneering technology, comprehensive product lineup, and industry adoption makes it the No.1 ranked company for fusion splicing optical cables in the nation and a global leader in the field .

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Fiber Optic Cable Splicing Explained

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Splicing in optical fiber is the joining two fiber optic cables together. There are 2 methods of cable splicing, mechanical

Fusion splicing

Fusion splicing 1:29 Video of optical-fiber fusion-splicing Fiber spliced, still unprotected COMWAY fusion splicing INNO View 7

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Fiber Splicing

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