Fiber optic cold splice equipment models

Article Overview

Popular fiber optic cold splice equipment includes models from Fujikura, Sumitomo, INNO, Thorlabs, and AFL, covering single-fiber, ribbon, field, and benchtop applications.

Key Cold Splice Equipment Models

1. Fujikura Fusion Splicers

o Fujikura 90S+: Single-fiber splicer with fast splice (7 seconds) and heat times (9 seconds), real-time core alignment, and low splice loss (~0.02 dB) for field and lab use .
o Fujikura 70S+: Compact, portable single-fiber splicer suitable for outdoor installations.
o Fujikura 12R+: Ribbon fiber splicer capable of fusing up to 12 fibers simultaneously, ideal for high-density cabling . 2. Sumitomo Splicers
o Type-72C+: Single-fiber and ribbon splicing options with automated calibration and robust field performance .
o Type-81C: Designed for high-precision ribbon splicing in data centers and backbone networks. 3. INNO Splicers
o INNO View 8+: Single-fiber splicer with smart features like cloud syncing, automated calibration, and fast splice cycles, suitable for both field and lab environments . 4. Thorlabs / Vytran(R) Series
o GPX Series Glass Processors: Perform cold splicing, fiber shaping, tapering, and end-cap splicing. Includes tools for stripping, cleaning, cleaving, recoating, and proof testing .
o Laser cutter and epoxy curing ovens: For connector preparation and cold splice finishing. 5. AFL Fusion Splicers
o Offers benchtop, field, and mass fusion splicers, supporting both single-fiber and ribbon splicing applications .

Accessories and Supporting Equipment

o Fiber cleavers: Ensure precise fiber end preparation.
o Protection sleeves: Provide mechanical protection for cold splices.
o Inspection tools: Visual inspection systems and scanning white-light interferometers (SWLI) for end-face quality control .
o Splice-on connectors and mechanical splicing tools: For quick field deployment and repairs .

Choosing the Right Model

o Single vs. ribbon splicing: Single-fiber splicers are ideal for repairs and low-volume installations, while ribbon splicers improve efficiency in high-density environments.

o Field vs. benchtop: Field splicers are portable and rugged, whereas benchtop models offer higher precision for lab or production use.
o Features: Consider core alignment, splice time, heat time, automated calibration, and smart connectivity for workflow optimization. Selecting the appropriate cold splice equipment depends on your project scale, fiber type, installation environment, and budget, ensuring reliable, low-loss splices for high-performance fiber optic networks.

Standard Splicing Point According to quick splice connector"s fiber optic mechanical splice theory, at fiber splice point pre-grinding

Comparing mechanical and fusion splicing for fiber optic cabling: costs, performance, and more. Discover the right

Use and characteristics: The optical fiber cold sub uses two pigtail when docking, its main parts inside is a

With the rapid development of FTTH fiber to the home, the demand for optical fiber cold connectors has also greatly

The most detailed cold splicing prodcedures for broken fiber optic cable. You can source

Chengdu Focus Infra Materials Company is manufacturing various of fiber optic passive

Optical fiber transmission has the advantages of wide transmission frequency, large communication capacity, low loss,

Learn Fiber Optic Fusion Splicing: step-by-step guide to safe, precise fiber

Fiber optic cold connection, also known as mechanical splicing, is a widely used method of connecting optical fibers in

FTTH Splicing Splice Cold Connection Fiber Optic Stripping Tool Kit Set With Fiber Cleaver FC-6S and Fiber Optic Stripper CFS-3 -

Fusion splicing is used to physically join together two optical fiber ends. The process may vary, depending on the type of fusion

Fiber Instrument Sales has a wide variety of fiber optic splicing equipment such as fusion splicers from AFL, Sumitomo, FITEL, and

Fiber optic cold splice equipment models

High quality optical fiber mechanical splices such as 3M Fibrlok, Corning Camsplice, AMP CoreLink, Siemon UltraSplice, and more.

PHXFIBER provides fiber optic mechanical splice with high quality. The fiber mechanical splice price is reasonable and competitive.

Splicers are used for the thermal fusion of fiber optic installation cables and pigtails. So visit our online shop and find a wide range of

Fiber Optic Fusion Splicers Fusion Splicing is a preferred way to join two fibers together by using heat. Whether the fiber was broken

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