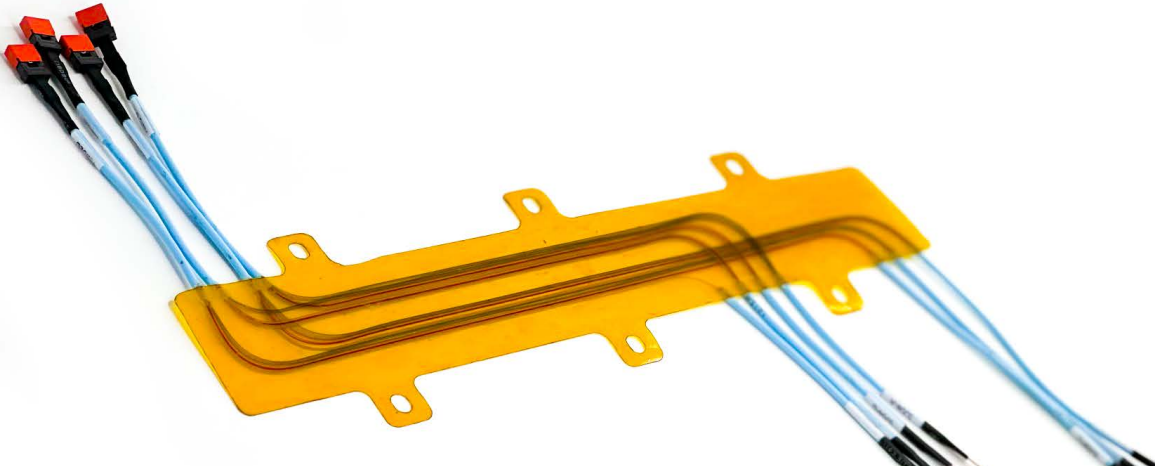


## Fiber Flex Planes Fiber Optic Systems



**Amphenol FSI Fiber Flex planes provide high density routing of fiber optic channels on a flexible substrate for backplanes and systems that require high density optical interconnects.**

Amphenol FSI's Fiber Flex optical backplanes respond to the increasingly present requirement for wire and cable management to maximize airflow inside LRUs and communication systems. Fiber Flex planes provide a manageable method of routing fiber from interface to interface and from shelf-to-shelf. Designed for versatility, standard Fiber Flex circuitry provides high-density routing on a flexible, flame-resistant substrate.

Fiber Optic sub-systems often need to be quickly diagnosed and replaced on backplanes without disrupting the entire LRU. Design flexibility is a key element to simplify system architect's need to meet the particular demands of each application. Available in virtually any routing scheme, fiber can be routed point-to-point, in a shuffle or in a set pattern to meet specific application requirements. Direct or fusion-spliced terminations are available, input and outputs to ribbon, discrete are easily integrated in the design along with any mix of fiber sizes.

### Features & Benefits :

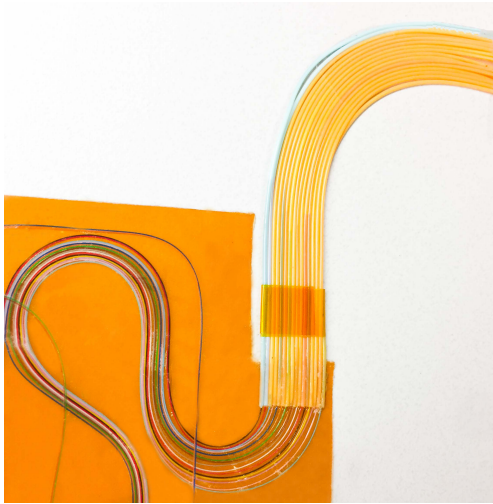
- Flame resistant substrate
- Multimode, single mode and hybrid versions
- Temp range -55 to +95C
- Diverse substrate size, shape and packaging
  - Provides efficient and manageable solutions to high-fiber count distribution systems
- Available in virtually any routing scheme
- Compatible with multi and discrete-fiber terminations
  - Provides a variety of design alternatives
  - Customized solutions
- Compatible with MT Ferrules
  - Ideal solution for high-density applications using Amphenol's Vita 87, THDM or MT38999 solutions
- Entire circuit is 100% insertion loss (IL) and continuity tested
- - Ensures correct pin-out prior to packaging
- Direct or fusion splice terminations available
  - Eliminates additional insertion loss

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Amphenol Fiber Systems International (AFSI), a division of Amphenol Military & Aerospace Operations (AMAO), is the largest manufacturer of harsh environment fiber optic cable assemblies & connectors in the world. Visit AMAO at [amphenolmao.com](http://amphenolmao.com).

## Aerial View :



## Amphenol Fiber Systems International (AFSI) :



Amphenol Fiber Systems International (AFSI) designs, manufactures, markets and supports reliable and innovative fiber optic interconnect solutions that withstand the harsh environments of military, oil & gas, mining and broadcast applications. After more than two decades in business, AFSI continues to uphold its position as a global leader in fiber optic interconnect components and systems such as termini, M28876, MIL-ST, TFOCA and the TFOCA-II® connector, which AFSI developed and patented.

AFSI has delivered millions of fiber optic connectors in more than 34 countries. Whenever there is a need for superior, cost-effective fiber optic systems and products that will stand up to demanding operating environments, you can rely on AFSI for engineering know-how, top-quality products and expert technical support.

Visit [www.amphenol-fsi.com](http://www.amphenol-fsi.com) for more information.

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