

High Density Fibre Optic Circuit Flexplane

Optronics high density optical fibre flex circuits are manufactured using highly efficient routing and precision placement of optical fibres onto an ultra-thin and flexible substrate to create an accurate, reliable, and space-saving fibre circuit. Optical fibre flex circuitry on backplanes provide high density and versatile interconnect systems in the market today. For high fibre-count interconnects in backplanes and cross-connect systems, optical backplanes provide a manageable means of fibre routing from card-to-card or shelf-to-shelf. Designed for versatility, optical backplanes provide high density routing on a flexible, flame-resistant substrate.

A variety of interconnects, including MTP, MT, LC and SC can be used to connect the optical flex circuits to individual cards in a shelf. Available in any routing scheme, fibre can be routed point-to-point, in a shuffle, or in a logical pattern to meet specific requirements. Direct or fusion-spliced terminations are available.

These highly durable and flexible fibre circuits can be made in virtually any shape or size allowing them to be more easily arranged into high density packages saving valuable space on circuit boards, card level interconnections in optical line cards, backplane interconnects and other applications requiring high density fibre routing and management. High density optical fibre flex circuit are created from custom design files and parameters to route the fibre network in a compact and efficient manner.

Features

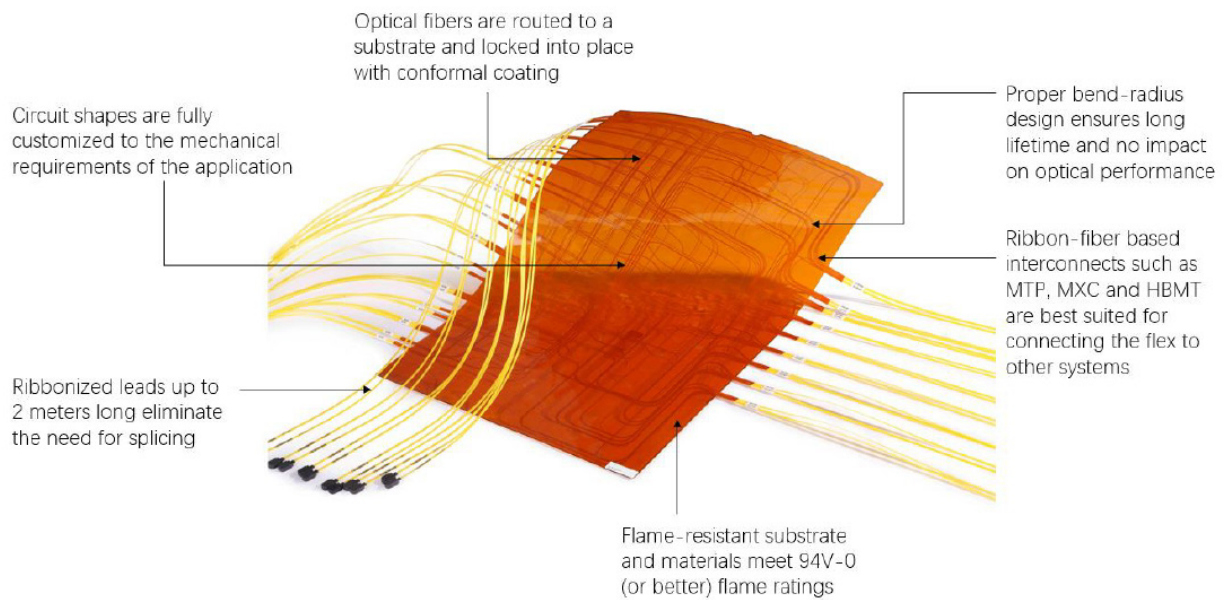
- Ideal for complex fibre routing schemes and high-density applications
- Provides efficient and manageable solutions to high-fibre count systems
- Durable and reliable for rugged applications
- Versatile routing and management of fibres
- Compatible with mass and discrete-fibre terminations
- Diverse substrate size, shape and packaging
- Available in virtually any routing scheme
- Direct or fusion splice terminations available
- Compatible with MT ferrules
- Available in both singlemode, multimode or hybrid version
- Entire circuit is 100% insertion loss (IL) and continuity tested
- Ensures customised solutions
- Provides a variety of design alternatives
- Eliminates additional insertion loss
- Provides a variety of options
- Ensures correct pin-out prior to shipment
- Custom routed flexible fibre circuit
- Superior fibre management

Applications

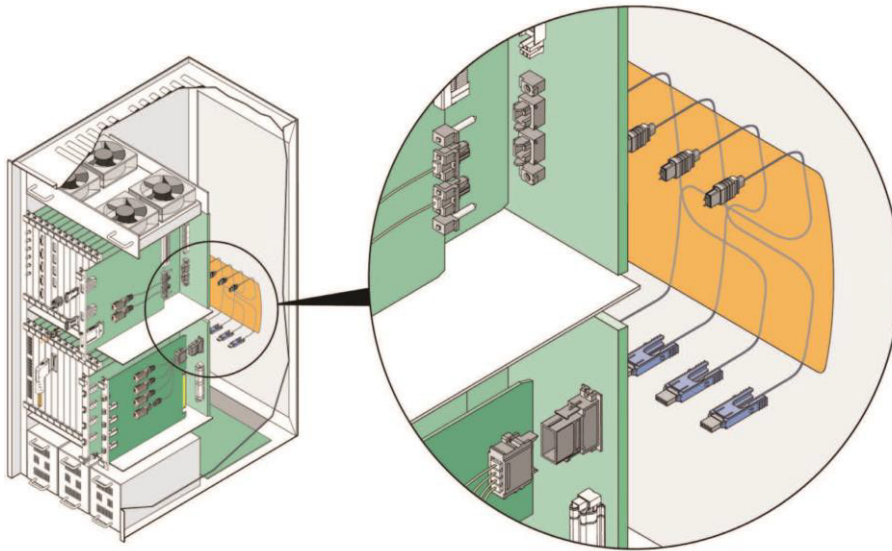
- Telecommunication Sector
- Hubs
- Servers
- Routers
- Switches

Product Design and Features:

Key Design Features



Application:



Ordering Information:

Please contact our sales for more information.