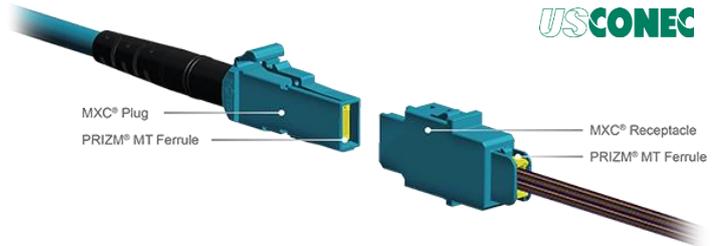


MXC® Expanded Beam Ribbon Connectors

Fibre Optic Ribbon Connectors

TechOptics

US Conec has developed a versatile, cost effective, next generation connector family optimized for direct interface to equipment densely populated with mid-board mounted, multimode or singlemode optical modules. Supporting a varied selection of link designs, the newly released MXC® connector platform is optimized for expanded beam PRIZM® MT ferrules providing for a more robust and debris insensitive interface compared to existing solutions. The platform is also compatible with traditional physical contact MT ferrules making it ideal for a wide variety of equipment interface applications.



Compared to existing optical connector solutions, the unique plug and receptacle design provides increased density with fewer components, making it cost effective and ideal for new equipment card edge requirements driven by implementation of embedded, mid-board optics modules. PCB space consumption on the inside of the equipment is minimized by combining the traditional adapter and on-card plug into one simple, condensed, single piece housing.

Future variants of the platform support a wide variety of configurations including strain relief at the individual ferrule level or mass strain relief of multiple ferrules within a single cable unit. US Conec's novel alignment design enables scaling to 8 or more ferrules in a single connector embodiment for front panel bulkhead or blind mating.

Features

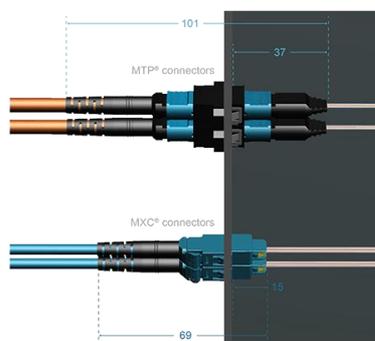
- Optimized for point to point, equipment card interface applications
- Debris insensitive resulting in high reliability
- Supports a wide variety of link designs in both multimode and singlemode
- High Density:
- 59% PCB area
- 40% Faceplate area
- Reduced complexity plug BOP
- Fewer components with traditional adapter eliminated
- One piece receptacle becomes part of the internal Tx/Rx to bulkhead jumper
- Future offering will include ganged insertion and blind mate variants
- Optimized for US Conec's new expanded beam PRIZM® MT ferrule technology

Applications

Front panel and backplane multi-fibre point to point links

- High performance computing
- Switching/routing fabrics
- Switch to server interconnects

MXC® Equipment Interface



MTP® cables are made to accommodate ruggedized strain relief on internal and external plugs.

Smaller MXC® format accommodates ruggedized strain relief on the external cable only.

Space savings with MXC® for card edge applications:

- 59% PCB area
- 40% Faceplate area
- 132 MXC® receptacles fit into a 19" 1U panel

For further information and to discuss your application please contact:-

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THE FIBRE OPTICS EXPERTS

Specifications subject to change without notice.

MXC®— Jan 2019

ISO9001:2015
for the distribution
of fibre optic
products and the
manufacture of fibre
optic assemblies.



www.techoptics.com