Delivering reduced ferrule pitch and a nearly 50% higher density than LC connectors, the Molex CS Adapter and Cable Assembly support next-generation 200/400 Gbps QSFP-DD and OSFP transceivers with optimized performance.

Features and Advantages

- **Reduced fiber pitch**
  - Provides fiber capacity at higher densities than LC adapters

- **Multiple adapter channel options available**
  - Offers 1, 2 and 4 channels to meet a range of application requirements

- **Available with or without flanges**
  - Provides installation flexibility

- **LC standard ferrule (X 2)**
  - Features ceramic ferrule performance and reliability

- **Capacity: nearly 50% higher density compared to LC connector**
  - Eases space constraints as data centers upgrade to meet increasing bandwidth demands

- **Push-pull tab**
  - Facilitates access in high-density applications without disturbing adjacent channels

- **Cable OD: 2.00mm**
  - Ruggedized to enable frequent plug-in/pull-outs

Increased fiber density over LC solutions

The CS Adapter’s reduced ferrule pitch accommodates 256 CS fibers in a 1 RU chassis, while the same number of LC fibers would require a 2 RU chassis. Replacing the LC adapter panels in the Molex 1 RU 144F chassis with CS adapter panels increased the fiber count to 256F. Molex’s 1 RU 192F Chassis is a multifunction platform that is used with LC/MPO/MTP/MTP-LC and CS cassettes. Fiber capacity can be increased to 256F by installing CS cassettes, which are effective for data center cable management and distribution.
CS Adapter and Cable Assembly

Markets and Applications

Data Centers and Telecommunications/Networking
- Cable distribution/management
- 10/40/100G system migration
- Switches/routers
- Servers
- Cloud computing

Cloud Computing

Switches/Routers

www.molex.com/link/csadapter.html

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