



3M™ Twin Axial Cable Assemblies for QSFP+ FDR Applications, 56 Gbps

FDR InfiniBand™ (Fourteen Data Rate, 14 Gbps data rate per lane) is the next generation InfiniBand technology developed and specified by the InfiniBand Trade Association (IBTA). FDR InfiniBand is targeted for midrange enterprise data centers that are looking to optimize the cost and power/performance ratio for their communications networks.

InfiniBand is the interconnect of choice for 16 of 33 Petascale-capable systems. The InfiniBand FDR 56 Gbps is the fastest growing interconnect technology on the TOP500 list.*

3M is a member of the IBTA and is on the System Integrators list for Twin Axial Cable Assemblies for QSFP+ FDR Applications.

Twin Axial Cable Assemblies for QSFP+ FDR Applications

Made with 3M Twin Axial Cable technology, the QSFP+ external cable assemblies offer an ideal set of benefits for the most demanding of customers. The core cable technology allows 3M cable assemblies to be extremely low profile and lightweight, allowing the cable to be folded and bent with minimal to no impact on performance. These cable assemblies save space, help improve airflow and operate at up to 56 Gbps aggregate channel data rate.



Key Benefits

- InfiniBand™ Certified – InfiniBand Integrators List
- Four channels each operating at up to 14.0625 Gbps
- Passive solutions support up to 2.5 meters at 30 AWG
- Designed to meet SFF-8436 and supports InfiniBand Architecture Specification
- Delivers aggregate data bandwidth up to 56 Gbps
- EEPROM for cable information and system communications

Ordering Information

Part Number 9QXX-112-XX-X.XX
Customer Drawing Number 78-5100-2640-0

Applications and Target Markets

- High-Performance Computing Clusters
- High-Frequency Trading Clusters
- Cloud-Based Data Centers



3M has other available products that are also on the InfiniBand System Integrators List, including:

- 3M™ Active Optical Cable (AOC) Assemblies for QSFP+ QDR Application
- 3M™ Active Optical Pluggable Transceiver for QSFP+ QDR Applications
- 3M™ Active Optical Cable (AOC) Assemblies for QSFP+ Hybrid Applications
- 3M™ Twin Axial Cable Assemblies for QSFP+ QDR Applications

*Source: InfiniBand Press Release, "InfiniBand Sees Adoption Growth on the TOP500 Year-Over-Year," June 2013

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Important Notice

Before using this product, you must evaluate it and determine if it is suitable for your intended application. You assume all risks and liability associated with such use.

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80-4000-7038-1