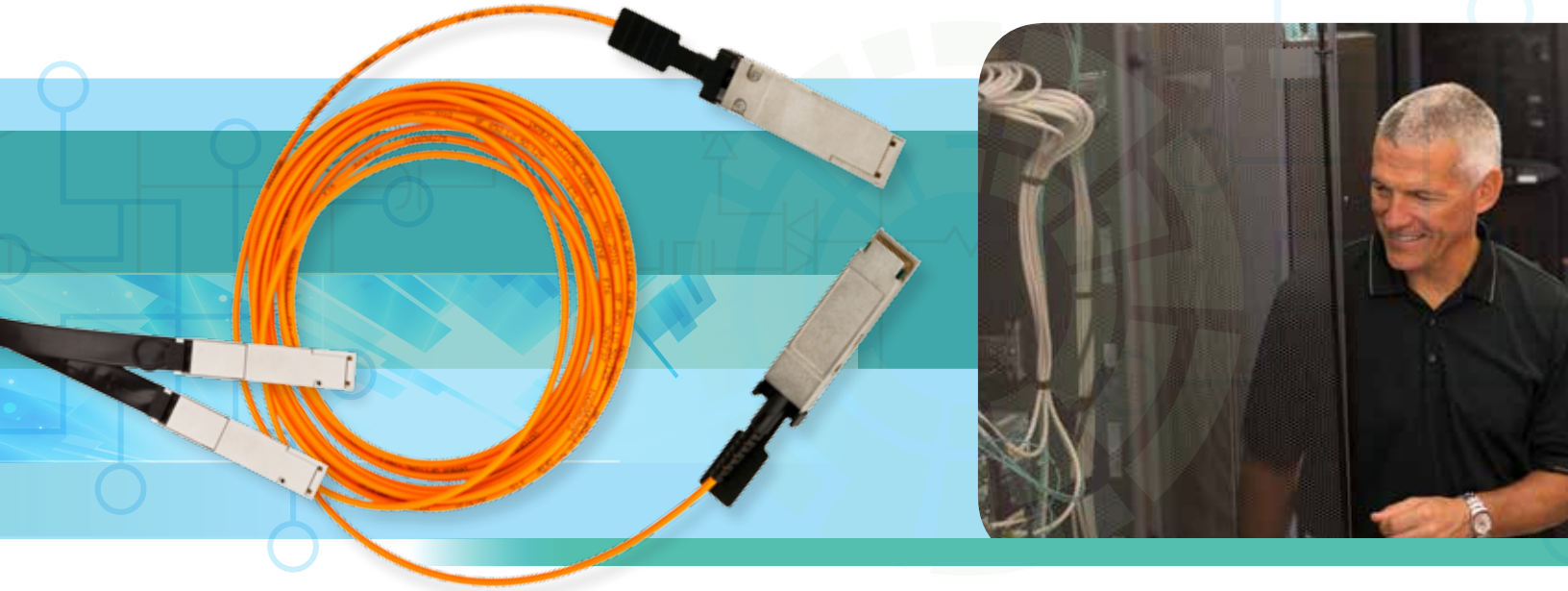


# Electronic Solutions

## 3M™ Cable Assemblies for High-Performance Computer and Data Center Applications



3M offers one of the industry's most comprehensive plug and play cable assembly offerings. Most items are in stock at our network of authorized distributors, many of whom offer overnight shipping. For current availability, go to [www.3Mhighspeed.com](http://www.3Mhighspeed.com) and look up Check Distributor Inventory or ask your 3M sales representative, preferred distributor or value added reseller.

## Internal Cabling

### PCI Express

3M™ Twin Axial Cable Assembly for PCI Express Extender Card Applications

#### 8KXX Series

- PCIe standard interface and capable of carrying Gen. 2.0 and 3.0 data
- High-bandwidth, data rates up to 8 Gbps

### SATA

3M™ High-Routability SATA Cable Assembly (SATA 3.0 compatible)

#### 5602 Series

- Supports SATA 1.0, 2.0 and 3.0

### MiniSAS

3M™ High-Routability Internal MiniSAS Cable Assembly

#### 8FXX Series

- Supports SAS 2.X and 3.0
- Designed to meet SFF-8087 Standard
- 4-lane (8F36 Series) and 8-lane (8F68 Series)
- SATA Fanout available

### High-Density MiniSAS

3M™ High-Routability Internal HD MiniSAS Cable Assembly

#### 8US4 Series

- Designed to meet SFF-8643 Standard
- Supports SAS 2.1 and 3.0



# External Cabling

## MiniSAS

3M™ High-Routability MiniSAS Cable Assembly  
*8G26 Series*

- Designed to meet SFF-8088 Standard
- Supports SAS 2.X and 3.0

## SFP+ Direct Attach Copper

3M™ Cable Assembly for SFP+ Applications  
*1410 Series*

- Supports SFP+
- Designed to meet SFF-8431 Standard
- 30 AWG solutions for up to 5 m
- Configurable pull-tab (on top or bottom of cable)

## QSFP+ Direct Attach Copper

3M™ Cable Assembly for QSFP+ Applications  
*9QA0 Series*

- Designed to meet SFF-8436 Standard
- 30 AWG solutions for up to 3 m - QDR / 2.5 m - FDR
- Supports InfiniBand and Ethernet protocols

## CX4 AOC

3M™ Active Optical Cable (AOC) Assembly for CX4 Applications  
*6A44 Series*

- Designed to meet SFF-8470 Standard
- 4 Channel x 5 Gbps
- Supports lengths up to 100 m
- Supports InfiniBand and Ethernet protocols

## CX4/QSFP+ Hybrid AOC

3M™ Active Optical Cable (AOC) for CX4 and QSFP+ Applications  
*6A24 Series*

- 4 Channel x 5 Gbps
- Designed to meet SFF-8470 and SFF-8436 Standards
- Supports lengths up to 100 m
- Supports InfiniBand and Ethernet protocols

## QSFP+ AOC

3M™ Active Optical Cable (AOC) for QSFP+ Applications  
*6A22 Series*

- 4 Channel x 10 Gbps (QDR) / x 14.0625 Gbps (FDR)
- Supports lengths up to 100 m
- Supports InfiniBand and Ethernet protocols

## QSFP+, SFP+ AOC

3M™ Active Optical Cable (AOC) Fanout Assembly for QSFP+ to SFP+ Applications  
*6A25 Series*

- Supports 10 GbE and 40 GbE protocols
- Supports lengths up to 100 m

## SFP+ AOC

3M™ Active Optical Cable (AOC) Assembly for SFP+ Applications  
*6A11 Series*

- Designed to meet SFF-8431/8432 Standards
- Supports lengths up to 100 m
- Supports Ethernet and Fibre Channel protocols

## QSFP+ Transceiver

3M™ Active Optical Pluggable Transceiver for QSFP+ Applications  
*6B2A Series*

- Designed to meet MTP/MPO Optical Interface Standards
- 4 Channel x 10.3125 Gbps
- Optical lengths up to 100 m using OM3
- Supports InfiniBand and Ethernet protocols



3M is a member of InfiniBand Trade Association (IBTA).

For details on the products described here, please refer to the 3M customer drawings available for download at [www.3Mhighspeed.com](http://www.3Mhighspeed.com).

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