

# *Finisar*<sup>®</sup>

## Active Optical Cables



Active Optical Cables for High-Performance Connectivity

## ACTIVE OPTICAL CABLES

Finisar's family of active optical cables accelerate data connectivity for storage, networking and high-performance computing (HPC) applications. This product line includes C.wire® for 100GbE and InfiniBand 12xQDR/12xFDR/4xEDR; Quadwire® for 40/100GbE and InfiniBand 4xQDR/4xFDR/4xEDR; and SFPwire™ for applications up to 10 Gb/s.

Each cable solution leverages Finisar's fiber optic technology for the transmission of data while reducing the weight, density and power consumption of traditional copper solutions. Key advantages of active optical cables include low weight for high port count architectures; small bend radius for easy installations; and low power consumption enabling a greener environment thereby providing the lowest total cost solution for data centers.



### 12-Channel Parallel Active Optical Cables for 100GbE and InfiniBand 12xQDR/12xFDR

C.wire® is a family of 12-channel parallel active optical cables that enables high-speed data connectivity for storage, networking, and high-performance computing (HPC) applications. It supports up to 12x14 Gb/s bi-directionally over parallel multimode fiber (MMF) cable. Based on Finisar's vertically integrated VCSEL array technology and designed with CXP-compliant high-density connectors, these cables are compact, lightweight, and low power. C.wire is well suited for data center reaches up to 300 meters for InfiniBand 12xQDR/12xFDR, 100G Ethernet, PCIe, and other proprietary datacom and HPC applications. C.wire is available in a point-to-point configuration using MSA compliant CXP modules on each end, as well as a fanout configuration with a CXP module on one end and three separate QSFP+ modules at the other end.



### Product Selection

|  |    |                 |
|--|----|-----------------|
| Part No: FCBRD10CD1Cxx<br>12x10 Gb/s CXP-CXP active optical cable, round, riser-rated                |    |                 |
| Part No: FCBND10CD1Cxx<br>12x10 Gb/s CXP-CXP active optical cable, round, plenum-rated               |    |                 |
| Part No: FCBR3Q02CxxC1<br>12x10Gb/s CXP-3xQSFP+ fanout active optical cable, round/flat, riser-rated |    |                 |
| Part No: FCBN3Q02CxxC1<br>12x10Gb/s CXP-3xQSFP+ fanout active optical cable, round, plenum-rated     |    |                 |
| Part No: FCBRD12CD1Cxx<br>12x12.5 Gb/s CXP-CXP active optical cable, round, riser-rated              |    |                 |
| Part No: FCBND12CD1Cxx<br>12x12.5 Gb/s CXP-CXP active optical cable, round, plenum-rated             |    |                 |
| Part No: FCBRD14CD1Cxx<br>12x14 Gb/s CXP-CXP active optical cable, round, riser-rated                |    |                 |
| Part No: FCBND14CD1Cxx<br>12x14 Gb/s CXP-CXP active optical cable, round, plenum-rated               |    |                 |
| xx   | 03 | 3 meter cable   |
|  | 05 | 5 meter cable   |
|  | 10 | 10 meter cable  |
|  | 20 | 20 meter cable  |
|  | 30 | 30 meter cable  |
|  | 50 | 50 meter cable  |
|  | X0 | 100 meter cable |



### 4-Channel Parallel Active Optical Cable for InfiniBand 4xQDR/4xFDR, Ethernet 40 GbE, Fibre Channel, SAS 2/3, and PCIe 2/3

Quadwire® is a family of 4-channel parallel active optical cables that facilitates high-speed data connectivity for storage, networking, and high-performance computing (HPC) applications. It supports up to 4x25Gb/s bi-directional connectivity using parallel multimode fiber (MMF) cables. Based on Finisar’s vertically integrated VCSEL array technology, these cables are compact, lightweight, and low power. Quadwire is ideally suited for data center reaches up to 100 meters for InfiniBand QDR/FDR/EDR, 40/100G Ethernet, SAS, PCIe, and other datacom and HPC applications. Quadwire is available in a point-to-point configuration using MSA compliant QSFP+ modules on each end, as well as a fanout configuration with a QSFP+ module on one end and four separate SFP+ modules at the other ends.



### Product Selection

|   |    |                 |
|---|----|-----------------|
| Part No: FCBG410QB1Cxx  |    |                 |
| 4x10Gb/s QSFP-QSFP active optical cable, LSZH, flat ribbon, riser-rated |    |                 |
| Part No: FCBN410QB1Cxx  |    |                 |
| 4x10Gb/s QSFP-QSFP active optical cable, round, plenum-rated            |    |                 |
| Part No: FCBN510E2Cxx   |    |                 |
| 4x10Gb/s QSFP-4xSFP+ fanout active optical cable, round, plenum-rated   |    |                 |
| Part No: FCBG414QB1Cxx  |    |                 |
| 4x14Gb/s QSFP-QSFP active optical cable, LSZH, flat ribbon, riser-rated |    |                 |
| Part No: FCBN414QB1Cxx  |    |                 |
| 4x14Gb/s QSFP-QSFP active optical cable, round, plenum-rated            |    |                 |
| Part No: FCBN425QB1Cxx  |    |                 |
| 4x25Gb/s QSFP-QSFP active optical cable, round, plenum-rated            |    |                 |
| xx  | 03 | 3 meter cable   |
|   | 05 | 5 meter cable   |
|   | 10 | 10 meter cable  |
|   | 15 | 15 meter cable  |
|   | 20 | 20 meter cable  |
|   | 30 | 30 meter cable  |
|   | 50 | 50 meter cable  |
|   | X0 | 100 meter cable |



### 10 Gb/s SFP+ Active Optical Cable for 10G Ethernet

SFPwire™ is a family of 10G active optical cables for high-speed data links between SFP+ ports. SFPwire is ideally suited for inter-rack and intra-rack connections within a data center environment. Based on Finisar’s vertically integrated VCSEL array technology and designed with SFP+ SFI-limiting module ends, SFPwire is lighter and more flexible than comparable copper SFP+ direct attach cables (DACs).

### Product Selection

|                        |    |                 |
|------------------------|----|-----------------|
| Part No: FCBG110SD1Cxx |    |                 |
| xx                     | 01 | 1 meter cable   |
|                        | 03 | 3 meter cable   |
|                        | 05 | 5 meter cable   |
|                        | 07 | 7 meter cable   |
|                        | 10 | 10 meter cable  |
|                        | 20 | 20 meter Scable |



⋮⋮⋮C.wire®

⋮⋮quadwire®

SFPwire™

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Компания «Life Electronics» занимается поставками электронных компонентов импортного и отечественного производства от производителей и со складов крупных дистрибьюторов Европы, Америки и Азии.

С конца 2013 года компания активно расширяет линейку поставок компонентов по направлению коаксиальный кабель, кварцевые генераторы и конденсаторы (керамические, пленочные, электролитические), за счёт заключения дистрибьюторских договоров

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- Поставку компонентов в любых объемах, удовлетворяющих вашим потребностям.
- Приемлемые сроки поставки, возможна ускоренная поставка.
- Доставку товара в любую точку России и стран СНГ.
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- Входной контроль качества.
- Наличие сертификата ISO.

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- Регистрацию проекта у производителя компонентов.
- Техническую поддержку проекта.
- Защиту от снятия компонента с производства.
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- Изготовление тестовой платы монтаж и пусконаладочные работы.



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