



CXP optical cable assemblies from Molex offer improved fiber management for connecting CXP transceivers and complete Molex's iPass+ High-Speed Channel (HSC) CXP Copper and Optical System

Molex's low-profile CXP optical 4.50mm round cable assemblies offer improved fiber management over traditional flat cables for connecting CXP transceivers. The CXP optical cable assemblies utilize 24 fibers using industry-standard MTP/MPO connectors, 12 transmit (TX) and 12 receive (RX), and 10 Gbps high-bandwidth (OM3) fiber. This design meets the InfiniBand bandwidth requirements for CXP modules spaced up to 300.00m (984.25').

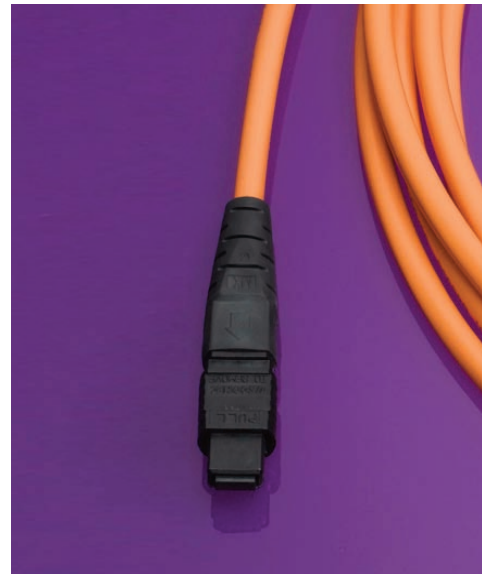
Molex provides a complete optical CXP solution with cable assemblies and loopbacks. Products include MTP/MPO-to-LC cable assemblies for connections to Small Form-factor Pluggable (SFP) or LC patch panels. Loopbacks feature a compact housing that loop optical TX to RX ports for testing, burn-in and field troubleshooting.

Features and Benefits

- MTP/MPO CXP connector interface meets CXP interface specifications
- Low-profile, round cable design for improved cable management over flat cable, with 360° cable-routing capability
- Up to 10 Gbps data rate capability provides optimized bandwidth by application
- RoHS compliant to meet environmental requirements for electronic equipment and accessories

Molex's CXP optical cable assemblies are part of the iPass+ HSC CXP system, which is the latest addition to the existing iPass product family. The iPass Interconnect System offers connectors and cables that enable flexible-speed compatibility for applications ranging from 1 to 10 Gbps and is an ideal solution for the growing server-storage market. For additional information, visit: www.molex.com/link/cxp.html.

106284 Cable Assemblies



SPECIFICATIONS

Reference Information

Packaging: Individual pack in a bag
Mates With: CXP Optical Transceivers

Optical

Fiber Specifications:
Fiber Count: 24 fibers (12 TX / 12 RX)
Multi Mode: 50/125µm
Insertion Loss at Test:
Multi Mode: 0.22dB Typical; ≤0.75dB max.
Connector to Connector: MTP to MTP
Bandwidth: See table on page 2 of datasheet

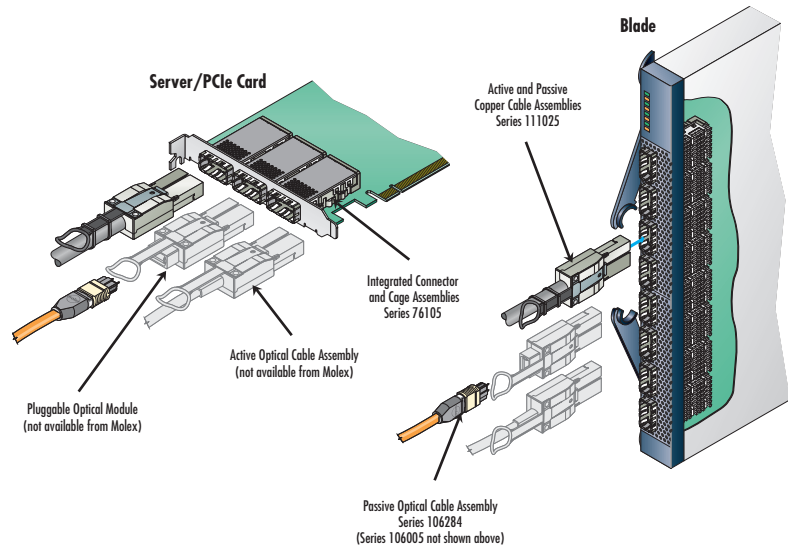
Mechanical

Bend Radius: 50.8mm (2.00") min. long-term

Physical

Jacket Dimensions:
Interconnect Cables – 1 to 20 meters: 4.50mm (.177")
Distribution Cables – 21 to 300 meters: 5.40mm (.213")
Fire Rating:
OFNR (Riser): Lengths less than or equal to 20 meters
OFNP (Plenum): Lengths over 20 meters
Operating Temperature: 0 to +70°C
Storage Temperature: -40 to +70°C

- **High-Performance Computing**
 - Controller cards and servers
 - Switches
 - Direct Attached Storage (DAS)
- **Data Centers**
 - Controller cards and servers
 - Switches
 - Blades
 - Storage Attached Networks (SAN)
- **Networking**
 - NIC cards and servers
 - Switches
 - Routers
 - Network Attached Storage (NAS)



BANDWIDTH SPEEDS

| Fiber Type | Overfilled Launch Bandwidth, Min. (MHz-km) | | 1 Gigabit Ethernet Link Distance, Min. (m) | | 10 Gigabit Ethernet Link Distance, Min. (m) | |
|--------------------|--|--------|--|--------|---|--------|
| | 850nm | 1300nm | 850nm | 1300nm | 850nm | 1300nm |
| Standard Bandwidth | 500 | 500 | 600 | 600 | 86 | - |
| High Bandwidth | 1500 | 500 | 900 | 550 | 300 | - |

ORDERING INFORMATION

| Order No. | Bandwidth | Fire Rating | Cable Diameter | Length |
|-------------|-----------------|----------------|-------------------|-------------------|
| 106284-0001 | Standard | OFNR (Riser) | 4.50mm (.177") | 1.00m (3.28') |
| 106284-0005 | | | | 5.00m (16.40') |
| 106284-0010 | | | | 10.00m (32.81') |
| 106284-0015 | | | | 15.00m (49.21') |
| 106284-0020 | | | | 20.00m (65.62') |
| 106284-0025 | | OFNP (Plenum) | 5.40mm (.213") | 25.00m (82.02') |
| 106284-0030 | | | | 30.00m (98.43') |
| 106284-0050 | | | | 50.00m (164.04') |
| 106284-0100 | | | | 100.00m (328.08') |
| 106284-1001 | | | | High (10 Gbps) |
| 106284-1005 | 5.00m (16.40') | | | |
| 106284-1010 | 10.00m (32.81') | | | |
| 106284-1015 | 15.00m (49.21') | | | |
| 106284-1020 | 20.00m (65.62') | | | |
| 106284-1025 | OFNP (Plenum) | 5.40mm (.213") | 25.00m (82.02') | |
| 106284-1030 | | | 30.00m (98.43') | |
| 106284-1050 | | | 50.00m (164.04') | |
| 106284-1100 | | | 100.00m (328.08') | |

www.molex.com/link/cxp.html

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- Формирование склада под заказчика.
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