

Molex's ModLink™ system is a cost-effective, quick and easy fiber system, for backbone and fiber to the desk applications. The ModLink system provides premium factory-controlled optical performance, enabling flexible system configuration and fast, economical installation.

ModLink suits most fiber installations, but is ideal for mission critical applications, such as Data Centers and Storage Area Networks, applications where fast installation is paramount and environments where moves, adds and changes are frequent or managed in-house.

### Highlights of ModLink Plug and Play Solution

- Provides a flexible system configuration/reconfiguration, and fast, economical installation
- In the event of damage or failure to a vital fiber backbone, the link can be quickly re-established without the need of technicians - no installation training necessary
- A viable tool for rapid deployment of an alternative data recovery system
- Factory terminated, and therefore guaranteed to perform to the highest industry standards
- Laser Optimized 50/125μ (ISO Classification OM3, OM4 and OM5) grade optical fiber specifically designed to maximize performance Industry-leading low insertion loss of 0.5dB making it ideal to support 10G to 100G applications



## ModLink™ > Plug & Play Fiber Solution

### What we do

For over 30 years Molex has manufactured innovative data transport and advanced management solutions.

### Standards Compliance

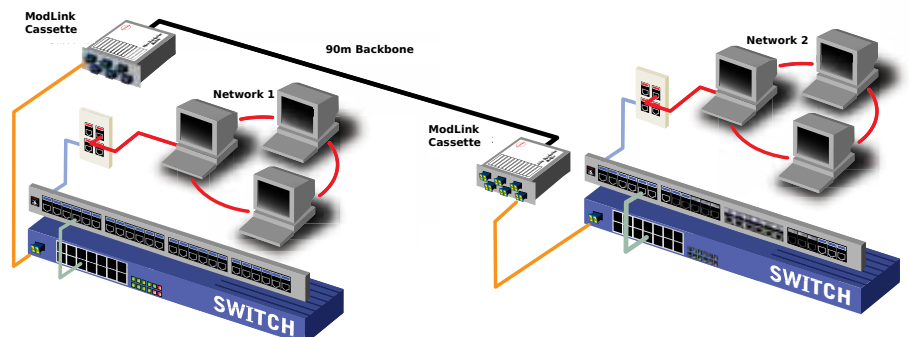
TIA-568.3-D  
ISO/IEC 11801:2002  
AS/NZS 3080:2003

### What are the Benefits of Pre-Terminated Technology?

Pre-terminated solutions provide the advantage that each fiber connection is factory terminated. Each individual connector is pre-wired into a MTP/MPO interface and tested in-house to ensure correct fiber bend radius has been maintained and that each connector provides optimum performance. Therefore upon installation the user simply needs to plug the cable into the rear of the cassette and the link is operational – providing the user with an excellent solution for fast track installations with guaranteed performance.

### Additional Product Features

Compactly sized, individual ModLink cassettes simply click into Molex's range of rack mount fiber management panels and enclosures, providing up to 96 ports in a 1U rack space. They offer front port identification plus labelling field on the cassette top for fiber documentation. Cables utilize OFNP or LS0H rated round loose tube cable featuring a flexible outer jacket that is easy to bend, route and install.



### Supports all major Fiber Connector Technologies

The ModLink system is available to support LC or SC fiber connectivity. Providing up to 24 fiber ports in each cassette, the SC and LC range also feature Molex's patented shuttered adaptor technology which protects each connector from dust and contaminants, whilst ensuring that the user is protected from harmful laser light emissions.

Designed to adhere to TIA-568.3-D, ISO/IEC 11801:2002 and AS/NZS 3080:2003 international fiber performance standards, the ModLink system supports OM1, OM2, OM3, OM4, OM5 and OS2 fiber applications.

### Ordering Information Cable

Part No. Matrix - Substitute the correct code number or letter to determine the assembly construction.

For Example: To order a 12 Core MTP-MTP Double Jacket Cable Assembly, Polarity B, Female to Female, low loss, OM5 50/125µm ,LSOH,Lime Green, 100 meter ModLink Cable, the part number would be 91-x2244-9L1000



ModLink Advanced Fiber Optic Cable

### 91-XAABB-YLLLC-E\*

#### Family

#### Fiber Count

- 21 = 12 MTP-MTP OFNP Double jacket
- 22 = 12 MTP-MTP LSOH Double jacket
- 23 = 24 MTP-MTP OFNP Double jacket
- 24 = 24 MTP-MTP LSOH Double jacket
- 25 = 8 MTP-MTP OFNP Double jacket
- 26 = 8 MTP-MTP LSOH Double jacket
- 27 = 12 MTP-MTP OFNR Double jacket
- 28 = 24 MTP-MTP OFNR Double jacket
- 29 = 8 MTP-MTP OFNR Double jacket
- 11 = 12 MTP-MTP OFNP Single jacket

#### Polarity Method/Gender

- 22 = A, Female to Female (Only for 12 or 24 fiber)
- 44 = B, Female to Female (applicable for all fiber count)
- 33 = C, Female to Female (Only for 12 or 24 fiber)
- CC = D, Female to Female (Only for 24 fiber)
- 55 = A, Male to Male (Only for 12 or 24 fiber)
- 66 = B, Male to Male (applicable for all fiber count)
- 77 = C, Male to Male (Only for 12 or 24 fiber)
- DD = D, Male to Male (Only for 24 fiber)
- 88 = A, Female to Male (Only for 12 or 24 fiber)
- 99 = B, Female to Male (applicable for all fiber count)
- 00 = C, Female to Male (Only for 12 or 24 fiber)

#### Fiber Type

- 2 = OM1 62.5/125µm
- 4 = OS1/2 9/125µm
- 4L = OS1/2 9/125µm Low Loss
- 6 = OM2 50/125µm
- 6E = OM3 50/125µm
- 6L = OM3 50/125µm Low Loss
- 8E = OM4 50/125µm
- 8L = OM4 50/125µm Low Loss
- 9E = OM5 50/125µm
- 9L = OM5 50/125µm Low Loss

#### Length (meters)

- 001 = 1 metre
- 00A = 0.5 metre
- 00B = 1.5 metre
- 00C = 2.5 metre
- 00D = 3.5 metre
- 00E = 4.5 metre

#### Euro class

- B = Bca LSOH
- C = Cca LSOH
- D = Dca LSOH
- E = Eca LSOH
- F = Fca LSOH

#### Jacket Color

- 0 = Default
- OM1 MM = Orange
- OM2 MM = Gray
- OM3 MM = Aqua
- OM4 MM = Erica Violet (Non-Plenum)
- Aqua(Plenum)
- Aqua(PVC)
- OM5 MM = Lime Green
- SM = Yellow
- A = Aqua - AQ
- B = Blue - BL
- C = Red - RD
- D = Black - BK
- E = Dk Gray - GY
- F = Brown BR

## Ordering Information Cassettes



Order No.	Description
MLCDSC12OM1	12 Fiber ModLink Cassette, Duplex SC - OM1 (62.5/125µm)
MLCDSC12OM2	12 Fiber ModLink Cassette, Duplex SC - OM2 (50/125µm)
MLCDSC12OM3	12 Fiber ModLink Cassette, Duplex SC - OM3 (50/125µm)
MLCDSC12OM4	12 Fiber ModLink Cassette, Duplex SC - OM4 (50/125µm)
MLCDSC12OM5	12 Fiber ModLink Cassette, Duplex SC - OM5 (50/125µm)
MLCDSC12OS2	12 Fiber ModLink Cassette, Duplex SC - OS1/2 (9/125µm)
MLCDSC12OM3L	12 Fiber ModLink Cassette, Duplex SC - OM3 (50/125µm), Low loss
MLCDSC12OM4L	12 Fiber ModLink Cassette, Duplex SC - OM4 (50/125µm), Low loss
MLCDSC12OM5L	12 Fiber ModLink Cassette, Duplex SC - OM5 (50/125µm), Low loss
MLCDSC12OS2L	12 Fiber ModLink Cassette, Duplex SC - OS1/2 (9/125µm), Low loss
MLCDLC12OM1	12 Fiber ModLink Cassette, Duplex LC - OM1 (62.5/125µm)
MLCDLC12OM2	12 Fiber ModLink Cassette, Duplex LC - OM2 (50/125µm)
MLCDLC12OM3	12 Fiber ModLink Cassette, Duplex LC - OM3 (50/125µm)
MLCDLC12OM4	12 Fiber ModLink Cassette, Duplex LC - OM4 (50/125µm)
MLCDLC12OM5	12 Fiber ModLink Cassette, Duplex LC - OM5 (50/125µm)
MLCDLC12OS2	12 Fiber ModLink Cassette, Duplex LC - OS1/2 (9/125µm)
MLCDLC12OM3L	12 Fiber ModLink Cassette, Duplex LC - OM3 (50/125µm), Low loss
MLCDLC12OM4L	12 Fiber ModLink Cassette, Duplex LC - OM4 (50/125µm), Low loss
MLCDLC12OM5L	12 Fiber ModLink Cassette, Duplex LC - OM5 (50/125µm), Low loss
MLCDLC12OS2L	12 Fiber ModLink Cassette, Duplex LC - OS1/2 (9/125µm), Low loss
MLCQLC12OM1	12 Fiber ModLink Cassette, Quad LC - OM1 (62.5/125µm)
MLCQLC12OM2	12 Fiber ModLink Cassette, Quad LC - OM2 (50/125µm)
MLCQLC12OM3	12 Fiber ModLink Cassette, Quad LC - OM3 (50/125µm)
MLCQLC12OM4	12 Fiber ModLink Cassette, Quad LC - OM4 (50/125µm)
MLCQLC12OM5	12 Fiber ModLink Cassette, Quad LC - OM5 (50/125µm)
MLCQLC12OS2	12 Fiber ModLink Cassette, Quad LC - OS1/2 (9/125µm)
MLCQLC12OM3L	12 Fiber ModLink Cassette, Quad LC - OM3 (50/125µm), Low loss
MLCQLC12OM4L	12 Fiber ModLink Cassette, Quad LC - OM4 (50/125µm), Low loss
MLCQLC12OM5L	12 Fiber ModLink Cassette, Quad LC - OM5 (50/125µm), Low loss
MLCQLC12OS2L	12 Fiber ModLink Cassette, Quad LC - OS1/2 (9/125µm), Low loss
MLCQLC24OM1	24 Fiber ModLink Cassette, Quad LC - OM1 (62.5/245µm)
MLCQLC24OM2	24 Fiber ModLink Cassette, Quad LC - OM2 (50/245µm)
MLCQLC24OM3	24 Fiber ModLink Cassette, Quad LC - OM3 (50/245µm)
MLCQLC24OM4	24 Fiber ModLink Cassette, Quad LC - OM4 (50/245µm)
MLCQLC24OM5	24 Fiber ModLink Cassette, Quad LC - OM5 (50/245µm)
MLCQLC24OS2	24 Fiber ModLink Cassette, Quad LC - OS1/2 (9/245µm)
MLCQLC24OM3L	24 Fiber ModLink Cassette, Quad LC - OM3 (50/245µm), Low loss
MLCQLC24OM4L	24 Fiber ModLink Cassette, Quad LC - OM4 (50/245µm), Low loss
MLCQLC24OM5L	24 Fiber ModLink Cassette, Quad LC - OM5 (50/245µm), Low loss
MLCQLC24OS2L	24 Fiber ModLink Cassette, Quad LC - OS1/2 (9/245µm), Low loss