

MTP/MPO and LC Data Center Cable Solutions >

With high-density MTP/MPO and LC connectors, multiple cable configurations and integrated specialty components, Molex Data Center Cable Solutions support the integration of high-performance networks while reducing overall system cost and maintenance

FEATURES AND ADVANTAGES

Single-mode and multimode available

Support data rates across many applications

Industry standard MPO interface

Simplifies implementation. Compatible with other pre-installed cables

QSFP Assembly with MPO/MTP Connectors

MPO-to-4-LC Breakout Assembly

Push-pull connector housing

Provides quick and reliable connections

FlexiBend Boots available for additional fiber routing capabilities

Alleviate cable congestion. Offers bendable strain relief to secure any configuration. Ensures cable performance over multiple bends in various directions

6 MPO/MTP Breakout

Industry-standard LC connector housing

Simplifies implementation. Compatible with other pre-installed cables

LCD-to-LCD Cable Assembly

Common and proven technologies combined in the LC connector system

Uni-boot or duplex boots are available for LC duplex connectors

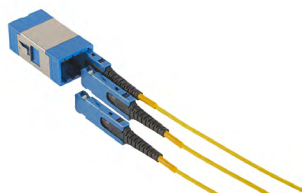
Low-loss options available

Cable assemblies 100% insertion-loss tested prior to shipping

Meets insertion-loss budgets

Ensures high performance. Reduces customer installation time

ALSO AVAILABLE:



SN Adapters and Cable Assemblies



CS Adapters and Cable Assemblies



Coming Soon: MDC Adapters and Cable Assemblies

MTP/MPO and LC Data Center Cable Solutions >

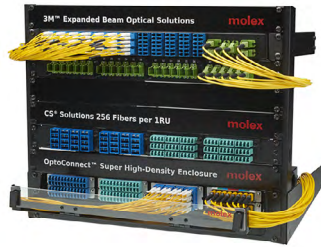
MARKETS AND APPLICATIONS

Telecommunications/Networking

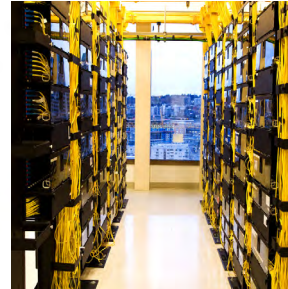
Optical transceivers
Optical switches and routers
Structural cabling

Data Centers

Servers



Data Center Rack



Data Center Servers

SPECIFICATIONS

MTP/MPO Cable Assemblies

Reference Information

Packaging: Individually bagged
Mates With: MPO Adapters/QSFP Transceivers
Use With: MPO Adapters/QSFP Transceivers
Designed In: Meters
RoHS: Yes
Halogen Free: TBD

Connector

Type:
MPO female, aqua for multi-mode
MPO female, yellow for single-mode low loss

Mechanical Properties

Fiber Count: 12 and 24 fiber options
Operating Temperature: -5 to +70°C
Durability (min.): 50 mating cycles

LC Cable Assemblies

Reference Information

Packaging: Individually bagged
Mates With: LC Adapters/SFP Transceivers
Use With: LC Adapters/SFP Transceivers
Designed In: Meters
RoHS: Yes
Halogen Free: Yes

Connector

Ferrule: Zirconia Ceramic
Housing: Plastic

Mechanical Properties

Operating Temperature: -5 to +70°C
Durability (min.): 250 mating cycles

Applies to Both LC and MPO Assemblies

Fiber

Multimode:

- 50/125 µm OM3 Bend-Insensitive
- 50/125 µm OM4 Bend-Insensitive

Single Mode:

- OS2 ITU-T G.657.A1 Bend-Insensitive

MTP/MPO and LC Data Center Cable Solutions >

ORDERING INFORMATION

Product Family	Molex Product Number	Description	Fiber Type	Length
LC Cable Assemblies	88537-1501	LCD/UPC JPR SM BIF 2.0mm ZPCD PLN	SM	1.0m
	88537-1503			3.0m
	88537-1505			5.0m
	88537-1510			10.0m
	88537-1520			20.0m
	88537-3501	LCD JPR MM OM3 2.00m ZPCD PLNM	OM3	1.0m
	88537-3503			3.0m
	88537-3505			5.0m
	88537-3510			10.0m
	88537-3520			20.0m
	88537-4501	LCD JPR MM OM4 2.0mm ZPCD PLNM	OM4	1.0m
	88537-4503			3.0m
	88537-4505			5.0m
	88537-4510			10.0m
	88537-4520			20.0m

Product Family	Molex Product Number	Description	Fiber Type	Length
MPO QSFP — Cable Assemblies	88536-6203	MTP QSFP JMTP Jumper	SM	3.0m
	88536-6205			5.0m
	88536-6210			10.0m
	88536-6215	15.0m		
	88536-6503	3.0m		
	88536-6505	MTP QSFP-to-4X LCD	OM3	5.0m
	88536-6703			3.0m
	88536-6705	5.0m		
	88536-6710	10.0m		
	88536-6715	15.0m		
	88536-6803	MTP QSFP-to-4x LCD		3.0m
	88536-6805			5.0m

MTP/MPO and LC Data Center Cable Solutions >

ORDERING INFORMATION

Product Family	Molex Product Number	Description	Fiber Type	Length
MPO Data Center Trunk Cables	<u>106225-0120</u>	MPO (F)-to- MPO (F) Trunk Cable 12F	SM	1.0m
	<u>106225-0121</u>			3.0m
	<u>106225-0122</u>			5.0m
	<u>106225-0123</u>			10.0m
	<u>106225-0124</u>			15.0m
	<u>106225-0100</u>		OM3	1.0m
	<u>106225-0101</u>			3.0m
	<u>106225-0102</u>			5.0m
	<u>106225-0103</u>			10.0m
	<u>106225-0104</u>			15.0m

www.molex.com/link/lc.html

www.molex.com/link/mpodatacentersolutions.html