



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# MTP/MPO Data Center Cable Solutions



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

## Features and Benefits

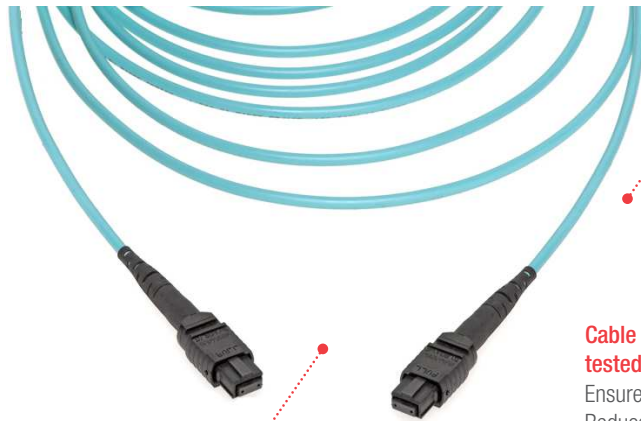
Cable Assemblies

### Low-loss options available

Meets tight system insertion-loss budgets

### Low-smoke, zero-halogen (LSZH)/Plenum/Riser rated

Fulfills flammability specifications for data center applications



### 12- and 24-fiber options available

Supports high-density data center applications. Reduces the number of cable assemblies required for system installation

### Cable assemblies 100% quality tested prior to shipping

Ensures high performance. Reduces customer cost and time associated with testing

### Industry-standard connector housing

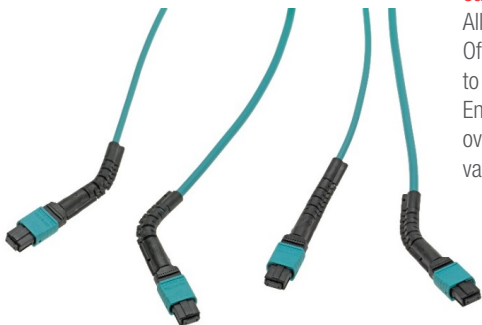
Simplifies implementation. Compatible with other pre-installed cables

## Features and Benefits

Adapters, accessories

### 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



### EMI gaskets included

Provide electromagnetic interference (EMI) seal between the adapter and mounting surface



## Features and Benefits

MTP/MPO Connector

### Precision-molded NTT-compatible ferrule

Connects 4 to 24 fibers using ribbon cable



### Push-pull connector housing

Provides quick and reliable connections

### Multiple ribbons stacked inside round jacket

Provides low-profile solution for high-density applications

### Shuttered die cast adapters

Shields and isolates EMI emissions



### Loopback adapters available

Enables testing and network diagnostics



### Ceramic or phosphor bronze alignment sleeves (where applicable)

Accommodate single-mode (SM) and multi-mode (MM) performance

### Multi-port EMI adapter options

Ease space constraints on panel and increase ports within an envelope

# MTP/MPO Data Center Cable Solutions



## Applications

### Telecommunications/Networking

- Optical electrical modules
- Optical switches and routers
- PC cards and patch panels

### Data Centers

- Servers



Data Center Servers

## Specifications

### REFERENCE INFORMATION

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

### FIBER:

Multimode:  
- 50/125  $\mu$ m OM3 Bend-Insensitive  
- 50/125  $\mu$ m OM4 Bend-Insensitive  
Single Mode:  
- OS2 ITU-T G.657.A1 Bend-Insensitive

### CONNECTOR:

Connector Type:  
- MPO Female, Aqua for Multi-mode  
- MPO Female, Green for Single-mode

### MECHANICAL

Fiber Count: 12 and 24 Fiber Options  
Cable Diameter: 12F = 4.5/3.0mm  
24F = 5.4/3.8mm  
Tensile Load: 12F = 660 N  
24F = 660 N  
Min Bend Radius: 12F = 68mm  
24F = 89mm  
24F and Low-Loss Options: 20N MTP Spring

## Ordering Information

Series No.	Component
<a href="#">106005</a>	Loopback, Singlemode and Multimode
<a href="#">106225</a>	MPO Data Center Trunk Cable Assemblies
<a href="#">106114</a>	Simplex EMI Adapter
<a href="#">106181</a>	MTP Quad Adapter Assembly
<a href="#">106283</a>	QSFP+ optical Jumper Cable Assembly

[www.molex.com/link/mpodatacentersolutions.html](http://www.molex.com/link/mpodatacentersolutions.html)

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