

MPO / MTP PATCH CORD

DESCRIPTION

The MPO optical cable enables high density connectorization of multi-fiber optical cables by reducing the size of the connector. This type of cord is very useful in data centers faced with an increasing amount of data and increasingly faster speeds.

In fact, the MPO (Multiple-Fiber Push-On / Pull-off) connector is a multi-fiber connector allowing a very strong reduction in density compared to that of standard connectors. These connectors can be mounted with 12/24 single-mode or multimode fibers. The MTP connector is the trademark name of US Conec for their MPO connectors.

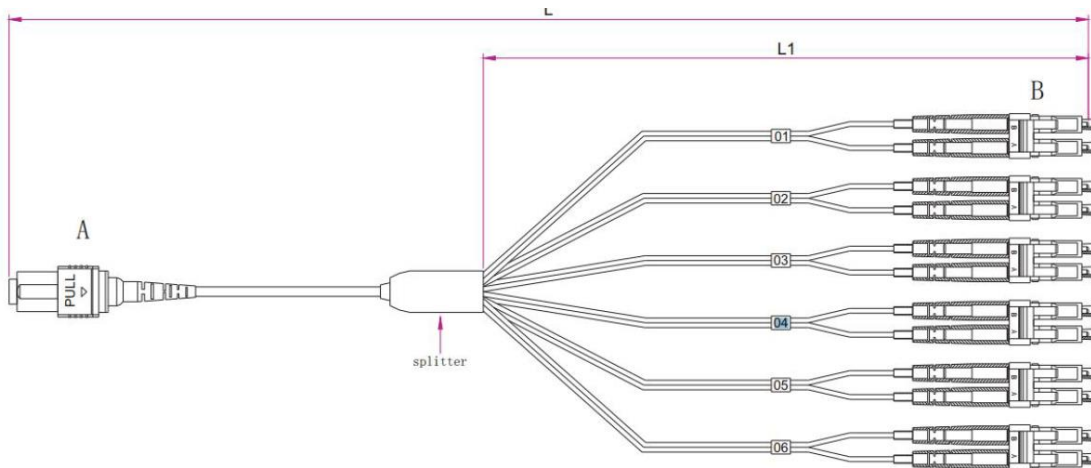
MPO connectors can be divided into female-to-female, male-to-male, and female-to-male connectors. Unlike the female connector, the male connector has two metal guide pins to ensure alignment of the fibers during connection. This type of connector with this push-and-pull design allows for quick and easy installation on site.

MPO / MTP optical patch cord can be mounted with an MPO connector at each end of the cable or at a single end in the case of a hybrid patch cord with LC connectors mounted at the other end of the patch cord.



This patch cord consists of a free-form cable where fibers with a 250µm sheath are inserted into one or more tubes. This cable is protected by a halogen-free, low smoke sheath. In the case of a hybrid octopus, a spark gap allows the duplex fibers sheathed in 900 µm, then over sheathed in 3mm to exit, to then mount an LC connector at each end of the fiber.

These patch cords can be delivered with standard or low insertion loss.



CARACTERISTIQUES DU CORDON OPTIQUE MPO / MTP

Number of fibers	12	24
Fiber coating diameter	250µm	
Number of tubes	1	2
Tube diameter	1,3mm	
Outer diameter of MPO/MTP patch cord	5mm	
Standard loss insertion	0,35 dB <	
Low loss insertion	0,2 dB <	
Static bending radius in mm	10D	
Dynamic bending radius	20D	
Operating temperature in °C	-20°C à +75°C	

MPO / MTP PATCH CORD REFERENCE

MPO patch cord

Fiber type : 9/125 – 50/125 – 62,5/125

Connector type : MPO-M, MPO-F, MTP-M, MTP-F

Number of fibers : 12, 24

Length of patch cord in dm

Connector type : MPO-M, MPO-F, MTP-M, MTP-F, LC

Finish type : AC, PC, UPC

MP a bb c ddd ee f

