

## **MPO/MTP Patch Cord**

## **Description**

MPO/MTP fiber optic patch cord is to add fiber optic connectors at both ends of a fiber optic cable. Realize the active connection between optical network equipment and equipment, equipment, and fiber optic patch cord. Simple, convenient, and fast operation, it is one of the indispensable passive products for optical network construction.

TAKFLY can provide a full range of MPO/MTP patch cords, whose transmission mode, cable type and connector type can be matched freely. Moreover, they're featured with advantages of stable transmission, high reliability and customization etc. and widely applicable in optical network scenario such as backbone network, optical cabling and data centers etc..



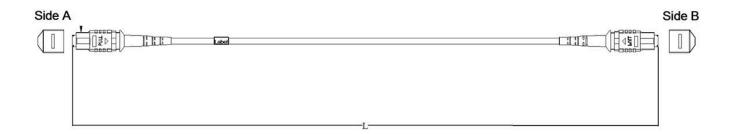
# **Application**

- Data center
- Backbone Network
- ➤ ODF

#### **Features**

- Low insertion loss
- High repeatability and high stability
- ♠ MPO/MTP polarity can be arbitrarily matched
- ◆ Fiber Type: OS2/OM3/OM4/OM5
- ◆ Fiber Count: 4/8/12/24 core
- Cable Type: Bare fiber/Flat/Round





## **Parameter**

| Item              |         | Parameter                             |                    |             |             |
|-------------------|---------|---------------------------------------|--------------------|-------------|-------------|
| MPO/MTP Connector |         | Standard SM                           | Low Loss(Elite) SM | Standard MM | Low Loss MM |
| Insertion<br>Loss | Typical | 0.35dB                                | 0.20dB             | 0.35dB      | 0.20dB      |
|                   | Maximum | 0.75dB                                | 0.35dB             | 0.60dB      | 0.35dB      |
| Return Loss       |         | ≥60 for APC (8 Angle Polish)          |                    | ≥20 for PC  |             |
|                   |         | ≥50 for PC                            |                    |             |             |
| Male/Female       |         | Male: With Pins, Female: Without Pins |                    |             |             |
| Tensile Strength  |         | ≤0.3 (Max 66N)                        |                    |             |             |
| Vibration         |         | ≤0.3 (10 ~ 55Hz)                      |                    |             |             |
| Thermal Cycle     |         | ≤0.3 (-40 ~ 75°C, 21Cycles)           |                    |             |             |