



MTP®/MPO Female to LC UPC Duplex OS2 Single Mode Breakout Cable

This datasheet outlines our range of OS2 9/125 Single Mode MTP® Female to LC UPC Duplex available in different types and lengths. The MTP® breakout cable presents an efficient solution tailored for high-density fiber patching within data centers, offering space-saving advantages and simplified cable management. Crafted with precision-engineered US Conec MTP® connectors and employing Corning SMF-28® ultra optical fiber, this cable is meticulously designed to excel in a variety of optic direct connections and high-density data center applications.



Key Features

- **High performance in IL & RL**
- **Low Insertion Loss**
- **Corning Bend Insensitive Fiber with Min. Bend Radius**
- **Cost-Effective:** MTP Breakout to LC cables eliminate the need for time-consuming field terminations, reducing installation costs.
- **US Conec MTP® Connectors:** Fully compliant with MPO standards, achieving superior performance compared to generic MPO connectors. By default, our cables are MTP based unless noted otherwise.
- **Complied to ANSI/TIA-568-C.3, IEEE 802.3ba and adheres to ANSI/TIA-942**
- **100% 3D Tested**



Applications

- Designed for Singlemode applications 40G QSFP+ PLR4, 100G QSFP28 PSM4/PLR4, 400G OSFP DR4/XDR4, and 400G QSFP-DD DR4/XDR4 optics.
 - 40G QSFP+ PLR4 to 4x10G SFP+ LR,
 - 100G QSFP28 PMS4/PLR4 to 4x25G SFP28 LR
 - 400G OSFP/QSFP-DD DR4 to 100G QSFP DR1,
 - 400G OSFP/QSFP-DD XDR4 to 100G QSFP FR1
- Other custom options, such as length, polarity, jacket, are also available.

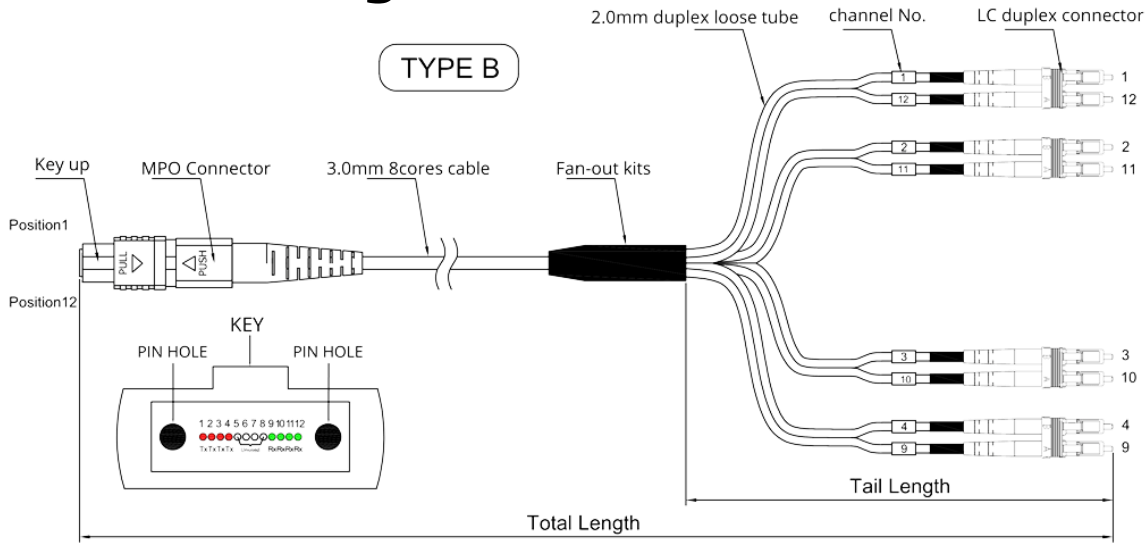


Specifications EN-MTP4LCxxSM

Connector A	US Conec MTP® Female (Pinless)
Connector B	LC UPC Duplex
Number of Fibres	8 or 12F
Polarity	Type B
Color-coded Cable Jacket	Singlemode coded yellow
Fiber Mode	OS2 9/125µm SM
Glass Fiber	Corning SMF-28®
Fiber Grade	G.657.A1 (Compatible with G.652.D)
Polish Type	APC to APC Green color
Minimum Bend Radius	7.5mm
Insertion Loss	0.3dB Max (0.15dB Typ.)
Return Loss	≥60dB
Wavelength	1310/1550nm
Attenuation at 1310nm	≤0.32dB/km
Attenuation at 1550nm	≤0.18dB/km
Jacket OD	3.0mm
Cable Jacket	LSZH or Plenum (OFNP)
Operating Temperature	-10 to 70°C (14 to 158°F)
Storage Temperature	-40 to 85°C (-40 to 185°F)
Cable Length	XX : 1-100m (can be customized)



Cable Drawing



Ordering Information

Contact our sales team for detailed product specifications, custom lengths, and bulk pricing options.

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