



## LinkIT MTP Cassette OS2 U 2x12xLC

Universal | 2xMPO connector | 2x12 LC

Product number: LI-MTP2x12LC-OS2U

## Product Description

OS2 cassette with 2xMTP Male (USCONEC) rear and 12x LC Duplex adapters front (24 fibers total). APC polish ensures low reflectance and high performance. Pre-terminated and tested with <0.35 dB loss. Compact black plastic design, compatible with LinkIT MF HD panel systems.

## Main Specifications

|                             |                      |
|-----------------------------|----------------------|
| <b>Brand</b>                | LinkIT               |
| <b>Measurements (WxHxD)</b> | 98.6 × 146 × 27 mm   |
| <b>Polishing contact 1</b>  | APC                  |
| <b>Polishing contact 2</b>  | APC                  |
| <b>Material</b>             | Plastic              |
| <b>Number of fibers</b>     | 24                   |
| <b>Fibreclass</b>           | OS2                  |
| <b>Number of outputs</b>    | 24                   |
| <b>Type of inputs</b>       | LC Duplex            |
| <b>Polarity Type</b>        | U Universal Polarity |

## Extended Specifications

|                                       |               |
|---------------------------------------|---------------|
| <b>Input</b>                          | 2x MTP Male   |
| <b>Front Connector</b>                | 12x LC Duplex |
| <b>Insertion Loss Front Connector</b> | <0,15dB       |



|                                      |                        |
|--------------------------------------|------------------------|
| <b>Return Loss Front Connector</b>   | >55dB                  |
| <b>Rear Connector</b>                | 2x MTP Male (USCONEC)  |
| <b>Insertion Loss Rear Connector</b> | <0,35dB                |
| <b>Return Loss Rear Connector</b>    | >55dB                  |
| <b>Front Adapter</b>                 | 12x LC Duplex Adaptere |
| <b>Rear Adapter</b>                  | MTP Male               |
| <b>Certifications</b>                | REACH, RoHS            |

## FMOM Documentation

Pre-terminated APC OS2 cassette with 2xMTP Male and 12x LC Duplex adapters. Supports 24 fibers. Designed for high-density singlemode networks. Compact, plug & play, low loss and high return loss.

## Dimensional Sketches



### Specification Document

|      |              |       |                    |              |               |         |        |
|------|--------------|-------|--------------------|--------------|---------------|---------|--------|
| Name | MPO Cassette | Model | LI-MTP2x12LC-xxxxA | Document NO. | SD-D29909-ENG | Version | REV.01 |
|------|--------------|-------|--------------------|--------------|---------------|---------|--------|

|                    |            |                  |           |
|--------------------|------------|------------------|-----------|
| MTP Fiber Low Loss |            |                  |           |
| Port               | Wavelength | Test Requirement |           |
| MPO END            | 1300nm     | IL < 0,25dB      | RL > 55dB |
|                    | 1550nm     | IL < 0,25dB      | RL > 55dB |
| LC END             | 1300nm     | IL < 0,25dB      | RL > 55dB |
|                    | 1550nm     | IL < 0,25dB      | RL > 55dB |
| MPO-LC Link Data   |            |                  |           |
|                    | 1300nm     | IL < 0,25dB      | RL > 55dB |
| MTP Fiber Low Loss |            |                  |           |
| Port               | Wavelength | Test Requirement |           |
| MPO END            | 850nm      | IL < 0,25dB      | RL > 25dB |
|                    | 1300nm     | IL < 0,25dB      | RL > 25dB |
| LC END             | 850nm      | IL < 0,25dB      | RL > 25dB |
|                    | 1300nm     | IL < 0,25dB      | RL > 25dB |
| MPO-LC Link Data   |            |                  |           |
|                    | 1300nm     | IL < 0,25dB      | RL > 25dB |

12 cores MPO connector

| LC | MPO(PIN) | Fiber colour |
|----|----------|--------------|
| 1  | 1        | Blue         |
| 2  | 2        | Orange       |
| 3  | 3        | Green        |
| 4  | 4        | Brown        |
| 5  | 5        | Gray         |
| 6  | 6        | White        |
| 7  | 7        | Red          |
| 8  | 8        | Black        |
| 9  | 9        | Yellow       |
| 10 | 10       | Violet       |
| 11 | 11       | Pink         |
| 12 | 12       | Aqua         |
| 13 | 13       | Blue         |
| 14 | 14       | Orange       |
| 15 | 15       | Green        |
| 16 | 16       | Brown        |
| 17 | 17       | Gray         |
| 18 | 18       | White        |
| 19 | 19       | Red          |
| 20 | 20       | Black        |
| 21 | 21       | Yellow       |
| 22 | 22       | Violet       |
| 23 | 23       | Pink         |
| 24 | 24       | Aqua         |

Product description:

- 1.MPO Cassette Material: Plastic;  
Colour: Black or Transparent black.
- 2.Apply to FM4M1.FM12M3.SM4M1.

