

Type A MPO/UPC Female (w/o pins) to LC/UPC Clipped fan-out, 2.0mm Diameter, 24 Fiber, Single Mode OS2, OFNP Jacket-1M



## MPUFLCU24S2AP-1

### Features

- 24 fiber single mode OS2
- MPO/UPC to 12 LC/UPC duplex connectors (clipped)
- Polarity Type A
- 0.5M fan-out length
- 2.0mm fanout out diameter
- OFNP rated jacket

### Applications

- Ultra-high-density fiber network deployments
- Large-scale data center backbone connectivity
- High-capacity MPO to LC breakout systems
- Core network and SAN fiber distribution
- Parallel optics and hyperscale infrastructure applications

### Description

The L-com MPUFLCU24S2AP-1 fiber optic fan-out cord is a robust and versatile fiber optic cable assembly designed for high-performance data transmission in various environments. This fan-out cable assembly is equipped with type A MPO (w/o pins)/UPC to LC/UPC duplex clipped connectors. Our fiber optic cable has an OFNP rated PVC jacket that ensures compliance with fire and safety standards and is available in cable length of 1 meter. With an operating temperature range of 0 to 60 degrees C, this cable assembly provides reliable performance across diverse conditions.

This fan-out cable has a single mode OS2 fiber and comes with a breakout diameter of 2 mm. Our fan-out cable assembly is suitable for applications such as ultra-high-density fiber network deployments, large-scale data center backbone connectivity, high-capacity MPO to LC breakout systems, core network and SAN fiber distribution, and parallel optics and hyperscale infrastructure applications. The MPUFLCU24S2AP-1 fiber optic cable with a 3 mm cable diameter and 23 mm minimum bend radius offers flexible installation options. Additional dimensions, specifications, and CAD drawings for this 24-strand fiber optic fan-out cord can be found on its downloadable PDF datasheet.

L-com has one of the largest in-stock selections of MPO (w/o pins)/UPC to LC/UPC fiber optic fan-out cords for international and domestic orders. Make your online purchase right now to take advantage of our same-business-day shipping. For further information on similar products, our expert technical support and knowledgeable sales team can help you get the ideal OS2 single mode fiber optic cable that meets your requirements.

### Configuration

|                     |                     |
|---------------------|---------------------|
| Function            | Fan-out             |
| Cable Type          | Base-24 Single Mode |
| Mode                | Single Mode         |
| Mode Class          | OS2                 |
| Fiber Diameter      | 9/125 µm            |
| Connection 1 Type   | MPO (w/o pins)      |
| Connection 1 Gender | Female              |
| Connection 1 Polish | UPC                 |
| Connection 2 Type   | LC                  |
| Connection 2 Polish | UPC                 |
| Connection 2 Option | Duplex Clip         |

### Optical Specifications

| Description       | Minimum | Typical | Maximum | Units |
|-------------------|---------|---------|---------|-------|
| Return Loss - MPO | 50      |         |         | dB    |

Type A MPO/UPC Female (w/o pins) to LC/  
UPC Clipped fan-out, 2.0mm Diameter, 24 Fiber,  
Single Mode OS2, OFNP Jacket-1M



## MPUFLCU24S2AP-1

### Optical Specifications

| Description                     | Minimum | Typical | Maximum | Units |
|---------------------------------|---------|---------|---------|-------|
| Insertion Loss - MPO            |         |         | 0.7     | dB    |
| Return Loss - LC, ST, SC, FC    | 50      |         |         | dB    |
| Insertion Loss - LC, ST, SC, FC |         |         | 0.3     | dB    |

### Mechanical Specifications

#### Cable Assembly

|                |                       |
|----------------|-----------------------|
| Length         | 1 m [39.37 in]        |
| Width/Diameter | 3 mm                  |
| Weight         | 12.86 g [0.02835 lbs] |

#### Cable

|                                            |         |
|--------------------------------------------|---------|
| Cable Type                                 | Fan-out |
| Polarity                                   | Type A  |
| Breakout Diameter                          | 2 mm    |
| Static Bend Radius                         | 23 mm   |
| Dynamic Bend Radius                        | 45 mm   |
| Max Crush Resistance, Short Term (N/100mm) | 500     |
| Max Crush Resistance, Long Term (N/100mm)  | 100     |

### Connectors

| Description      | Connector 1           | Connector 2 |
|------------------|-----------------------|-------------|
| Type             | MPO (w/o pins) Female | LC          |
| Connector Polish | UPC                   | UPC         |

### Environmental Specifications

|                                |                  |
|--------------------------------|------------------|
| Operating Range Temperature    | 0 to +60 deg C   |
| Storage Range Temperature      | -20 to +60 deg C |
| Ingress Protection (IP) Rating | Non-Rated        |

**Compliance Certifications** (see [product page](#) for current document)

### Plotted and Other Data

Notes:

Type A MPO/UPC Female (w/o pins) to LC/UPC Clipped fan-out, 2.0mm Diameter, 24 Fiber, Single Mode OS2, OFNP Jacket-1M



## MPUFLCU24S2AP-1

### Typical Performance Data

### How to Order

Part Number Configuration:

**MPUFLCU24S2AP**

**-XX**

**UU**

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: MPUFLCU24S2AP-12 = 12 meters long cable  
MPUFLCU24S2AP-10F = 10 feet long cable

Type A MPO/UPC Female (w/o pins) to LC/UPC Clipped fan-out, 2.0mm Diameter, 24 Fiber, Single Mode OS2, OFNP Jacket-1M from L-com has same day shipment for domestic and International orders. Our portfolio includes coaxial cable assemblies, connectors, adapters and custom products as well as lightning and surge protectors, NEMA rated enclosures, and an RF product line which includes antennas, amplifiers, passive, and active components.

URL: <https://www.l-com.com/type-a-mpo-upc-female-w-o-pins-lc-upc-clipped-fan-out-2.0mm-diameter-24-fiber-single-mode-os2-ofnp-jacket-1m-mpuflicu24s2ap-1>

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to implement improvements. L-com reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. L-com does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and L-com does not assume liability arising out of the use of any part or document.

Type A MPO/UPC Female (w/o pins) to LC/UPC Clipped fan-out, 2.0mm Diameter, 24 Fiber, Single Mode OS2, OFNP Jacket-1M

