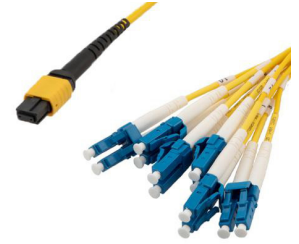


Type A MPO/UPC Female (w/o pins) to LC/UPC Clipped fan-out, 2.0mm Diameter, 12 Fiber, Single Mode OS2, OFNP Jacket-1M



MPUFLCU12S2AP-1

Features

- 12 fiber single mode OS2
- MPO/UPC to 6 LC/UPC duplex connectors (clipped)
- Polarity Type A
- 0.5M fan-out length
- 2.0mm fanout out diameter
- OFNP rated jacket

Applications

- Data center backbone and switch-to-server connectivity
- High-density fiber patching and cross-connect systems
- 40G and 100G single mode network deployments
- MPO trunk to LC equipment breakout applications
- Enterprise and telecommunications fiber distribution

Description

The L-com MPUFLCU12S2AP-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 data center backbone and switch-to-server connectivity, high-density fiber patching and cross-connect systems, 40G and 100G single mode network deployments, MPO trunk to LC equipment breakout applications, and enterprise and telecommunications fiber distribution. The MPUFLCU12S2AP-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 12-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-12 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, 12 Fiber,
Single Mode OS2, OFNP Jacket-1M



MPUFLCU12S2AP-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	7.47 g [0.01646 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

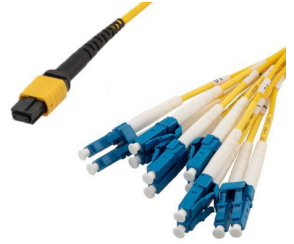
Operating Range Temperature	0 to +60 deg C
Storage Range Temperature	-20 to +60 deg C
Ingress Protection (IP) Rating	Non-Rated

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, 12 Fiber, Single Mode OS2, OFNP Jacket-1M



MPUFLCU12S2AP-1

Typical Performance Data

How to Order

Part Number Configuration:

MPUFLCU12S2AP

-XX

UU

Unit of Measure:

F = Feet

<blank> = Meters

Lengths

Base Number

Example: MPUFLCU12S2AP-12 = 12 meters long cable
MPUFLCU12S2AP-10F = 10 feet long cable

Type A MPO/UPC Female (w/o pins) to LC/UPC Clipped fan-out, 2.0mm Diameter, 12 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-12-fiber-single-mode-os2-ofnp-jacket-1m-mpuficu12s2ap-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.

MPUFLCU12S2AP-1 CAD Drawing
 Type A MPO/UPC Female (w/o pins) to LC/UPC Clipped fan-out, 2.0mm
 Diameter, 12 Fiber, Single Mode OS2, OFNP Jacket-1M

