



## MPO

### LinkIT MPO-A OS2 12c 5m MPO Female - 12xLC | LSZH

Product number: LI-MPOOS2ALC-12C-005

## Product Description

The MTP/MPO-A OS2 12-core fiber optic cable is specifically designed to meet the demands of modern networking and data center applications. With 12 fiber cores, it delivers high bandwidth capacity and exceptional transmission speeds, making it ideal for long-distance communication and high-performance networks.

Terminated with MTP/MPO connectors, this cable ensures fast, reliable, and hassle-free connections while maintaining minimal signal loss. Built to OS2 standards, it guarantees low attenuation and optimal performance over distances of up to 10 km on single-mode fiber.

Featuring robust construction and precision engineering, this cable is an indispensable component for demanding installations in data centers, telecommunications networks, and cloud infrastructure. Its compact, space-saving design ensures seamless integration and compatibility across various networking environments, providing maximum deployment flexibility.

## Main Specifications

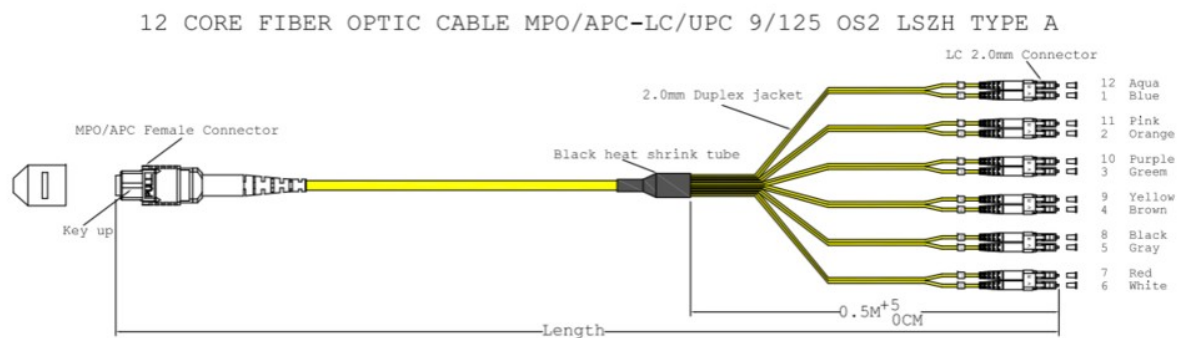
<b>Brand</b>	LinkIT
<b>Color</b>	Yellow
<b>Length (m)</b>	5
<b>Category</b>	OS2 12 fiber
<b>Connector type 1</b>	MPO-Female A
<b>Connector type 2</b>	LC/UPC
<b>Number of fibers</b>	12
<b>Core Diameter (um)</b>	9/125



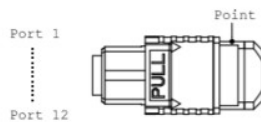
## Extended Specifications

<b>Jacket material</b>	LSZH
<b>Optical Return Loss (dB)</b>	≥60
<b>Insertion Loss (dB)</b>	≤0.75
<b>Operating Temperature</b>	-20°C ~ +70°C
<b>Storage Temperature</b>	-20°C ~ +70°C
<b>Cable Diameter (mm)</b>	3
<b>Halogenfree</b>	✓
<b>Fire retardant version</b>	✓
<b>Certifications</b>	CE, REACH, RoHS

## Dimensional Sketches



MPO/APC Female Connector



MPO/APC Female Connector

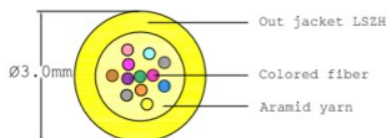
Port	1	2	3	4	5	6	7	8	9	10	11	12
Color	Blue	Orange	Green	Green	Blue	White	Red	Black	Yellow	Purple	Pink	Blue

Length Tolerance:

Length (m)	Tolerance
≤3	±50mm/-0
3<L≤10	±100mm/-0
10<L	±150mm/-0

Specifications:

Fiber Mode	OM
Type	MPO/APC
Cable diameter (mm)	9/125
Cable color	Yellow
Cable diameter (mm)	9/125
Insertion Loss (dB)	≤0.75
Return Loss (dB)	≥60
Bend radius (mm)	650±10
Fire properties:	IEC 60332-1-2, IEC 60332-1-2, IEC 60332-1-2, IEC 60332-1-2
Operating Temperature (°C)	-20~+70
Storage Temperature (°C)	-20~+70



LinkIT		AP01	NEW REVISION	****	2025.06.27	ECN-#
REV. A		DESCRIPTION		APVD	DATE	ECN No
DESCRIPTION:		Jumper MPO/APC-LC/UPC 12core 9/125 OS2 LSZH				
UNIT: MILLIMETERS		SCALE: 1:1		PART No: 12MPLC25062701		
THIRD ANGLE PROJECTION		SIZE: B		A4		

