

MPO

LinkIT MPO-A OM4 12c 7m MPO Female - Femal | LSZH



Product number: LI-MPOOM4AFF-12C-007

Product Description

The LinkIT MPO-A OM4 12c cable is a high-performance solution designed for modern data centers and network infrastructures, ensuring reliable and efficient high-speed connectivity.

This cable features 12 multimode optical fibers, providing robust support for high-bandwidth data transmission. It is optimized for 40G and 100G Ethernet applications, adhering to OM4 standards which guarantee superior signal integrity and performance. With a transmission range of up to 150 meters, it is well-suited for short to medium-distance connections.

The cable utilizes Type A polarity, offering a straight-through fiber mapping configuration. This ensures that fibers are aligned in a 1-to-1, 2-to-2 manner, simplifying integration with existing systems and maintaining consistent connectivity.

In terms of safety, the LinkIT MPO-A OM4 12c cable is fire-resistant and halogen-free. These features minimize smoke and toxic gas emissions in case of a fire, contributing to a safer data center environment.

Main Specifications

Brand	LinkIT
Color	Magenta
Length (m)	7
Category	MTP/MPO
Connector type 1	MPO-Female A
Connector type 2	MPO-Female B
Number of fibers	12



Core Diameter (um) 50/125

Extended Specifications

Optical Return Loss (dB)	≥20
Insertion Loss (dB)	≤0.75
Operating Temperature	-20°C ~ +70°C
Storage Temperature	-20°C ~ +70°C
Cable Diameter (mm)	3
Halogenfree	✓
Bending radius (mm)	Dynamic; 30D, Static; 15D
EAN	7072262018515
Certifications	CE, REACH, RoHS

Dimensional Sketches

12 CORE FIBER OPTIC CABLE MPO-MPO 50/125 OM4 LSZH TYPE A

MPO Female Connector A

Key up

MPO Female Connector A

Point

Port 1

Port 12

MPO Female Connector A

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

Specifications:

Fiber Mode	MM
Type	MPO-MPO
Cable Diameter(mm)	42.0
Cable Color	Purple
Core Diameter(um)	50/125
Insertion Loss(dB)	≤0.75
Return Loss(dB)	≥20
Bend radius(mm)	Dynamic 30D Static 15D
Fire properties:	Fire retardant and halogen-free IEC 60332-3-24, IEC 60332-1-24, IEC 61034, IEC 60754-1
Operating Temperature(°C)	-20~+70
Storage Temperature(°C)	-20~+70

Length Tolerance:

Length (M)	Tolerance
0~1520	+200M/-0
20~CL	+14/-0

MPO Female Connector B

Key Down

MPO Female Connector B

Point

Port 12

Port 1

MPO Female Connector B

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

Ø3.0mm

Out jacket

Colored fiber

Aramid yarn

LinkIT

UNIT: MILLIMETERS

SCALE: 1:1

THIRD ANGLE PROJECTION

AP01	NEW REVISION	****	2024.05.28	ECN-#
A	FIRST REVISION	****	2024.05.28	ECN-#
REV.	DESCRIPTION	APVD	DATE	FCN No
	DESCRIPTION:			
	Jumper MPO-MPO			
	12core 50/125 OM4			

10F1

