LinkIT®

MPO

LinkIT MPO-A OS2 12c 7m
MPO Female - Female | LSZH

Product number: LI-MPOOS2AFF-12C-007

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

Brand	LinkIT
Color	Yellow
Length (m)	7
Category	OS2 12 fiber
Connector type 1	MPO-Female A
Connector type 2	MPO-Female A
Number of fibers	12
Core Diameter (um)	9/125

Extended Specifications

Jacket material	LSZH
Optical Return Loss (dB)	≥60

Insertion Loss (dB)	≤0.75
Operating Temperature	-20°C ~ +70°C
Storage Temperature	-20°C ~ +70°C
Cable Diameter (mm)	3
Halogenfree	V
Fire retardant version	V
EAN	7072262018959
Certifications	CE, REACH, RoHS

Dimensional Sketches

12 CORE FIBER OPTIC CABLE MPO/APC-MPO/APC 9/125 OS2 TYPE A

MPO/APC Female Connector A

MPO/APC Female Connector B

Key up

Key down

Length

Specifications:

Fiber Mode	SM
Type	MPO/APC-MPO/APC
Cable Diameter(mm)	Ø3.0
Cable Color	Yellow
Core Diameter(um)	9/125
Insertion Loss(dB)	≤0.75
Return Loss(dB)	≥60
Bend radius(mm)	G652D=half OD 32 / G657A1=half OD 10 / G657A2=half OD 7.5 / G657B3=half OD 5
	G655=half OD 32
Fire properties:	Fire retardant and halogen-free IEC 60332-3-24,IEC 60332-1-2, IEC 61034,IEC 60754-1
Operating Temperature(°C)	-20~+70
Storage Temperature(°C)	-20~+70

Length Tolerance:

Length (M)	Tolerance
0<L≤20	+20CM/-0
20<L	+L1%/-0

MPO/APC Female Connector A
Port 1
Point
Port 12

MPO/APC 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 | Gray | White | Red | Black | Yellow | Purple | Pink | Aqua |

MPO/APC Female Connector B
Point
Port 1
Port 12

MPO/APC 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 | Gray | White | Red | Black | Yellow | Purple | Pink | Aqua |

Ø3.0mm
Out jacket
Colored fiber
Aramid yarn

AP01	NEW REVISION	****	2024.06.1	ECN-#
A	FIRST REVISION	****	2024.06.0	ECN-#
REV.	DESCRIPTION	APVD	DATE	ECN No

LinkIT

UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE			
LINEAR	ANGULAR		
X.X ±0.5	X° ±1°		
X.XX ±0.10	°X' ±30'		
X.XXX ±0.005	°X°X'' ±15		

MATL:
FINISH:
REF.:

DRAW: WK | DATE: 2024.06.11
CKECK: ZQ | DATE: 2024.06.11
APPR: LF | DATE: 2024.06.11

REMOVE ALL SHARP EDGES AND ALL BURRS
DO NOT SCALE
UNIT: MILLIMETERS

THIRD ANGLE PROJECTION
SCALE: 1:1

DESCRIPTION:
Jumper MPO-MPO
12core 9/125 OS2

1OF1

PART No: 12MPMP24061101 | SIZE: B | A4