

PRODUCT SPECIFICATION

MPO PATCH CORD

INTRODUCTION

LUX's MPO Patch Cords are suitable for high density data center solutions as well as high density connections between network equipment in telecommunication equipment room.

MPO patch cords are used to make interconnections between MPO Cassettes or connections to active equipment with MTP/MPO interface.

3 most common polarities are available: Type A/Type B/Type C. Customized wire map configuration is also available upon request.



CONSTRUCTION

Fiber count	8 / 12 Fibers	
Cable Jacket ratings	Low Smoke Zero Halogen (LSZH) per: IEC 60332-1-2, IEC 60332-3-24, IEC 60754-1, IEC 60754-2, IEC 61034-2	
Fiber type	Singlemode:	SM (9/125 μ m)
	Multimode:	OM3 (50/125 μ m) OM4 (50/125 μ m) OM5 (50/125 μ m)
Connector Type	12F MTP/MPO (Standard) 12F MTP/MPO (Low Loss)	
Jacket Color	SM:	Yellow
	OM3:	Aqua
	OM4:	Aqua/ Violet
	OM5:	Lime Green

OPTICAL PROPERTIES

Connector Insertion loss	Standard: 0.75dB max. (SM MTP/MPO) Standard: 0.6dB max. (MM MTP/MPO) Low Loss: 0.35dB max. (SM&MM MTP/MPO)
Connector return loss	30dB min. (OM3/OM4/OM5 PC) 60dB min. (SM APC)

PHYSICAL PROPERTIES

Cable diameter (OD)	3mm
Bend radius minimum	3mm: 60mm
Connector cable retention	50N @ 0°C 19.4N @ 90°C
Durability	500 cycles
Bend radius, minimum (long term)	3mm: 60mm

ENVIRONMENTAL PROPERTIES

Storage and shipment temperature	-25°C to 70°C
Operating and Installation temperature	-20°C to 60°C

REFERENCE STANDARDS

IEC 61754-4, 20, IEC 61754-7, IEC 61300-3-35 & EN 50377-15-1

Restriction of Hazardous Substances (RoHS) Compliance	All patch cord components meet the requirements of Directive 2002/95/EC.
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ORDERING PART NUMBER

Example: MPC-12M3MFMFL2A010 = 12F OM3 MPO Female to MPO Female Elite Low Loss Type A 10m (Breakout length: 0.5m)



AB – FIBER COUNT

08 = 8 Fibers
12 = 12 Fibers

CD – FIBER TYPE

M3 = OM3 50/125µm
M4 = OM4 50/125µm
M5 = OM5 50/125µm
SM = OS1/OS2 9/125µm

EF – CONNECTOR TYPE (A END)

MM = MTP Male
MF = MTP Female

GH – CONNECTOR TYPE (B END)

MM = MTP Male
MF = MTP Female

IJ – OPTICAL PERFORMANCE

SD = Standard
LL = Low Loss

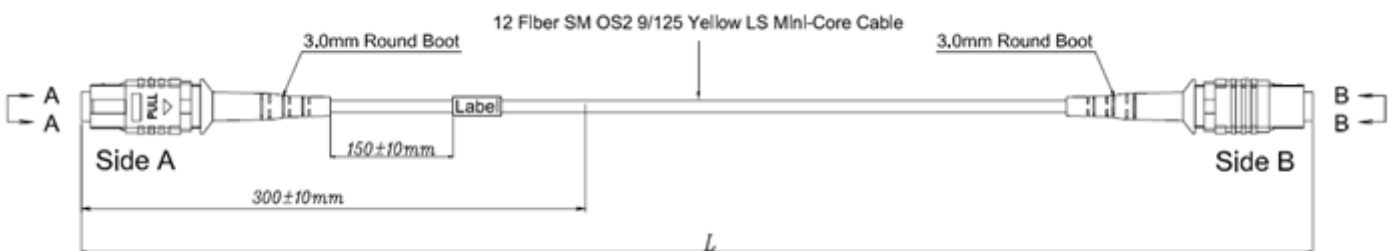
K - POLARITY

A = Type A (Key up – Key down)
B = Type B (Key up – key up)
C = Type C (Pairwise flipped, Key up – Key down)

LM – OVERALL LENGTH

05 = 5 meters
10 = 10 meters
15 = 15 meters
20 = 20 meters
25 = 25 meters
30 = 30 meters

Below diagram is for illustration only



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