

# 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

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

### OPTICAL PROPERTIES

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



### PHYSICAL PROPERTIES

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

### ENVIRONMENTAL PROPERTIES

<b>Storage and shipment temperature</b>	-25°C to 70°C
<b>Operating and Installation temperature</b>	-20°C to 60°C

### REFERENCE STANDARDS

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

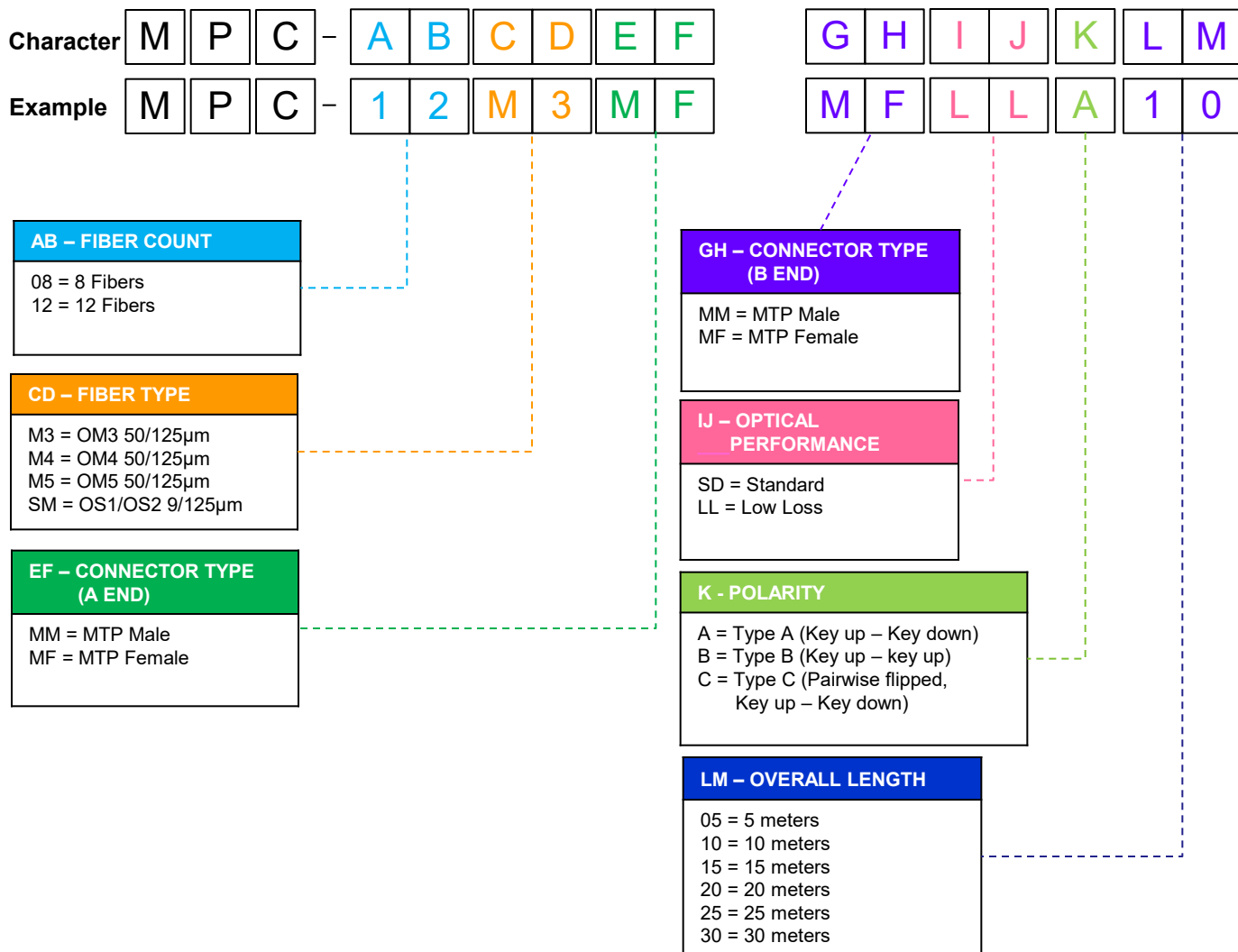
<b>Restriction of Hazardous Substances (RoHS) Compliance</b>	All patch cord components meet the requirements of Directive 2002/95/EC.
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The information and specification in this document are subjected to change without notice



## ORDERING PART NUMBER

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



\*Below diagram is for illustration only\*



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