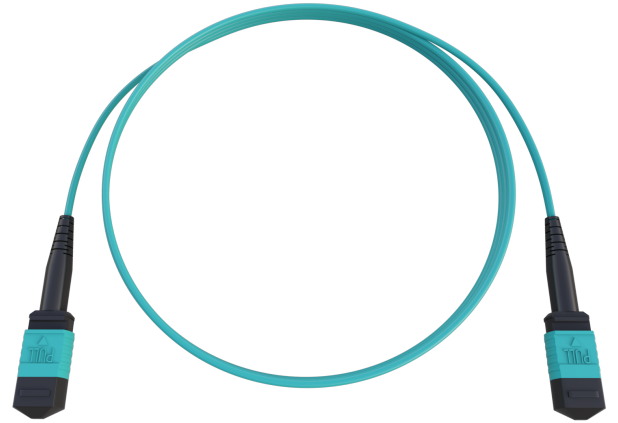


# 8/12/16/24F MPO Patch Cords and Trunk Cables



STL MPO patch cables are optimized for data center connectivity supporting the topologies as specified in the data center standards EN50173-5 and ISO/IEC 24764. With the combination of MPO patch cables, MPO to LC/SC cassettes modules and other plug and play accessories, it very easy and convenient to build 10/40/100G network. High quality raw material and state of art manufacturing process ensure that the products meet and exceed standards and ensure optimum performance of the link for the intended purpose. Details of the various product aspects are as listed below.

## Features & Benefits

- High precision MPO patch cords with 8/12/16/24 fiber options
- Wire map supported for all types A/B & C
- Bend insensitive fiber in both SM and MM version
- Offered in various outer jacket options
- Low loss optical performance

## Physical Characteristics

<b>Fibre Type</b>	SM - G657A1, MM - OM3 / OM4
<b>Fibre Count</b>	8/12/16/24
<b>Jacket Material</b>	Refer to part number configuration table
<b>Connector Type</b>	MPO
<b>Colour</b>	<b>Jacket</b> - SM - Yellow   OM3, OM4 - Aqua <b>Connector Housing</b> - SM - Mustard Yellow   OM3, OM4 - Aqua <b>Connector Boots</b> - Black

## Mechanical Characteristics

Nominal Diameter (mm) : 8/12F - 3.0mm | 16/24F - 3.5mm

## Environmental Characteristics

Operation temperature : -10°C to +60°C

ROHS compliant

Halogen Free

## Optical Characteristics

Type	Insertion Loss (IL)	Return Loss (RL)	Test Wavelength
SM G657A1	≤0.35dB max	≥ 60 dB min	1310/1550nm
MM OM3 / OM4	≤0.35dB max	≥ 25 dB min	850/1300nm

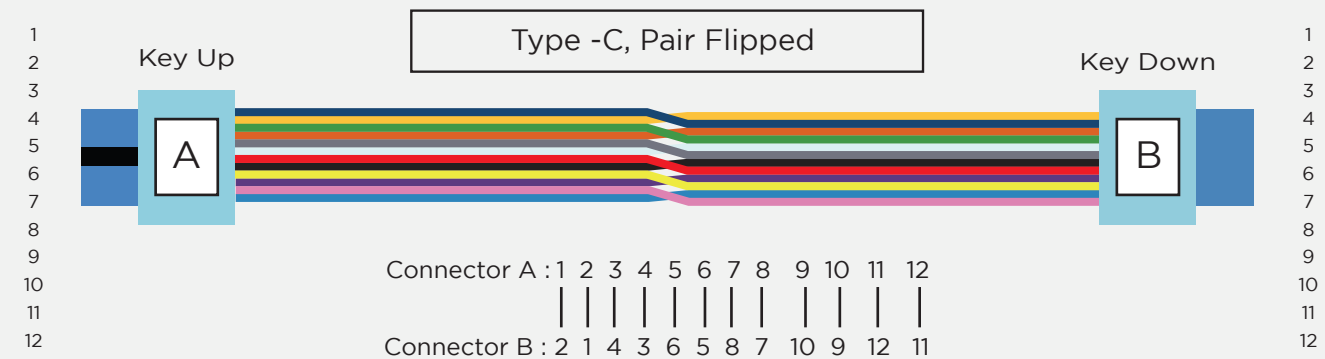
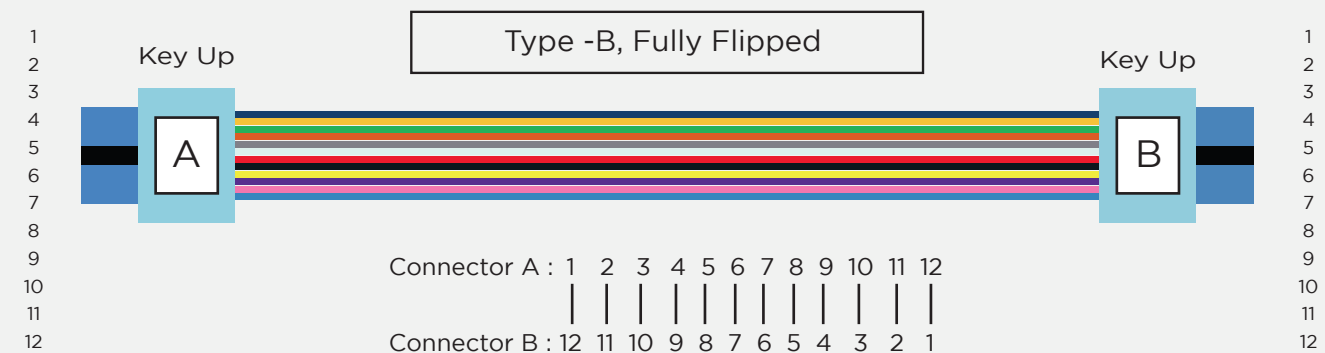
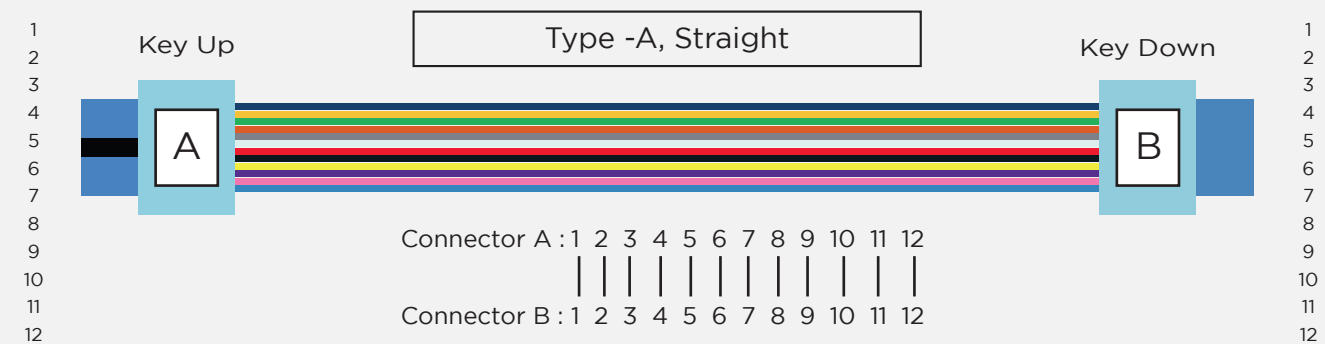
Note: Appropriate cable loss would be added to the insertion loss for lengths ≥ 50M.

## Testing Standards

Insertion loss (IL) : IEC 61300-3-4

Return Loss (RL) : IEC 61300-3-6

## Wire Map



## Part Number Configuration

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Product Type		Product Base	Connector Type End A	Connector Type End B	Connector Grade	Fiber Type		Fiber Count		Colour		Polarity	Jacket Type	Product Length			
MPP		B	F	F	P	0	4	1	2	A	Q	B	L	0	1	0	

### Product Type

MPP	MPO Patchcord
MPT	MPO Trunk

### Product Base

A	Base 8
B	Base 12
C	Base 16
D	Base 24

### Connector Type End A

F	MPO Female
M	MPO Male
M	MPO Polarity Changeable

### Connector Type End B

F	MPO Female
M	MPO Male
M	MPO Polarity Changeable

### Connector Grade

P	Premium
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### Fiber Type

O3	OM3
O4	OM4
A1	G657A1

### Fiber Count

08	08#Fiber
12	12#Fiber
16	16#Fiber
24	24#Fiber
36	36#Fiber
48	48#Fiber
72	72#Fiber
96	96#Fiber
AA	144#Fiber

### Colour

YL	Yellow
AQ	Aqua

### Polarity

A	A
B	B
C	C
X	Custom

### Jacket Type

R	OFNR
L	LSZH
P	OFNP
B	LSZH: B2ca
C	LSZH: Cca
D	LSZH: Dca
E	LSZH: Eca
F	OFNR UL rated
G	OFNP UL rated

### Product Length

X45	0.45 mtr
X05	0.5 mtr
001	1 mtr
005	5 mtr
010	10 mtr
100	100 mtr

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