Fiber Optic Patch Cord

MTP/MPO Trunk Cable

Overview

MTP/MPO is the industry acronym for multi-fiber push on. LongXing's new MTP/MPO connector offers up to 24 times the density of standard connectors, providing significant space and cost savings. MTP/MPO Connectors utilize precision molded MT Ferrules, with metal guide pins and precise housing dimensions to ensure fiber alignment when mating.

Features

- Color coded connector housings are available to differentiate fiber type as follows:
  - Green for SM
  - Yellow for SM Super Low loss
  - Beige for MM
  - Aqua for OM3 Fiber
  - Heather-Violet for OM4 Fiber
- Capacity are available in 4, 8, 12 and 24.
- Ferrules are available for SM Standard, SM Super Low Loss, MM Standard and MM Low Loss.
- Boots are available for Ribbon Cable, Ribbon Fiber and Round boot.

Highlights

- Lower Insertion loss
- Removable Housing
- Spring Push with Slit for easier assembly
- MTP/MPO-HD for High Density Application
- Flex angle boot and other boot styles
- IP-MTP/MPO Outdoor rated IP-68 housing

Applications

- Telecommunications
- Local area network
- Fiber to the home
- Testing instruments

Technical Specifications

SPECIFICATION	SM STANDARD		MM STANDARD	
MPO	Typical	Max	Typical	Max
Insertion Loss	0.2 dB	0.7 dB	0.15 dB	0.50 dB
Return Loss	60 dB (8° Polish)		25 dB (Flat Polish)	
Durability	<0.30dB change 500 matings		<0.20dB change 1000 matings	
Ferrule type available	4, 8, 12, 24		4, 8, 12, 24	
Operating Temperature	-40 to +75ºC			
Storage Temperature	-40 to +85ºC			

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Wire map configurations

Straight Type A wiring (Straight Through)		Total flipped Type B wiring (Cross)		Pair flipped Type C wiring (Cross Pair)	
Fiber	Fiber	Fiber	Fiber	Fiber	Fiber
1	1	1	12	1	2
2	2	2	11	2	1
3	3	3	10	3	4
4	4	4	9	4	3
5	5	5	8	5	6
6	6	6	7	6	5
7	7	7	6	7	8
8	8	8	5	8	7
9	9	9	4	9	10
10	10	10	3	10	9
11	11	11	2	11	12
12	12	12	1	12	11

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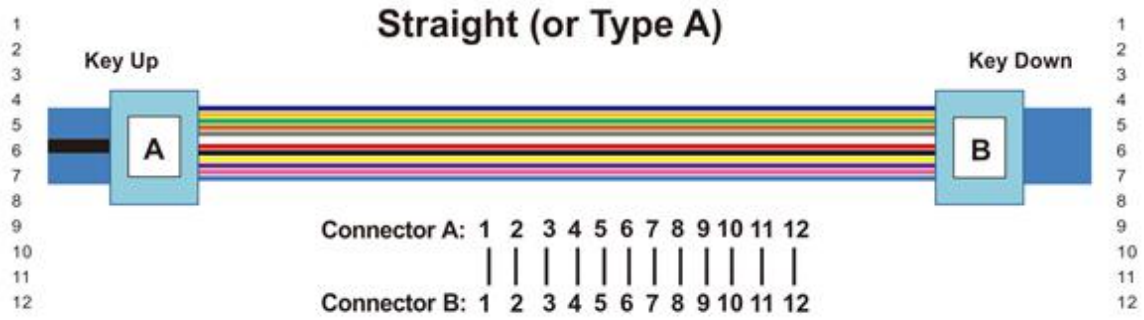
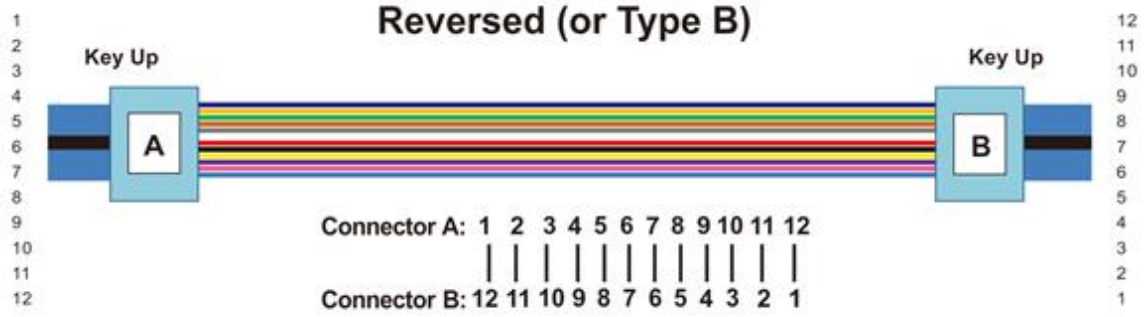
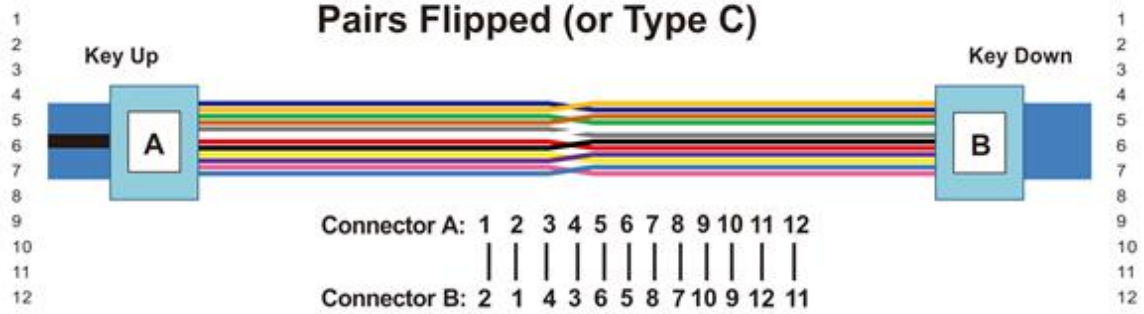
Pre-terminated MTP Technology-Polarity







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Catalog Number

Fiber Count	
04	4 cord
08	8 cord
12	12 cord
24	24 cord

Wire Map Configuration	
A	Type A
B	Type B
C	Type C

Fiber Type	
A	Singlemode fiber
I	Singlemode G655 fiber
C	50/125μm
D	62.5/125μm
F	50/125μm OM2
K	62.5/125μm OM2
G	50/125μm OM3
H	OM4

Ribbon Cable Type	
B0	Bare fiber
R0	Round cord
V0	Oval cord,flat

Cable Type (Fan-out Section)	
C	Coated fiber(250μm)
L	0.9mm loose tube cable
O	2.0mm PVC cable
Q	3.0mm PVC cable
F	LSZH cable 2.0mm
I	LSZH cable 3.0mm
N	No fanout
X	Others, please specify*

Connector Type (MPO/Fanout or MPO)	
M0	Male type, flat polish, MPO
M8	Male type, 8°APC angled, MPO
F0	Female type, flat polish, MPO
F8	Female type, 8°APC angled, MPO
SC	SC type
AS	SC/APC type
FC	FC type
AP	FC/APC type
LC	LC type
AL	LC/APC type
MU	MU type
NC	None
XX	Others, please specify*

Fan Out Cable Length	
X30	30 cm
X50	50 cm
001	1 m
000	No fanout
XXX	Others*

Configuration	
SG	Pigtail
DB	Patch cord

Fiber Length (Include Fanout Length)	
0001	1m
0002	2m
0010	10m
0015	15m
X050	50cm
XXXX	Others, please specify*

Ordering Example:

J-MP-12-A-GR0N-0003-DB-000-F0/F0 MPO, 12 cord, Type A, 50/125μm OM3, Round cord, No fanout, 3 m, Patch cord, No fanout, Female type, flat polish, MPO/ Female type, flat polish, MPO.

Note: *If the required type of any item is not on the relevant list, please use "X", "XX", "XXX" or "XXXX" as the red cells indicate, and kindly state the required type in the description of PO.

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