



# MPO/MTP Patch cord

MPO/MTP Patch cord

## Description

The MTP/MPO connector is designed with push-pull latching mechanism with audible click ensures proper connection. Precision molded MT ferrules, together with metal guide pins and precise housing dimensions ensure fiber alignment when mating.

## Feature

- SM or MM available; PC(plane) or APC(8 degree) available
- Different IL index and various color available
- Stable performance index by PIN fixed position of connecting
- Plug type connector with locking structure
- High density which convenient for wiring and management system
- Comply with Telcordia GR-1435-CORE and RoHS standard

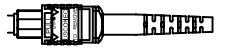
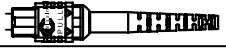


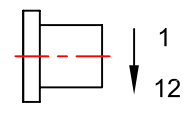
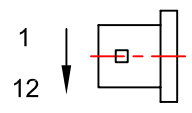
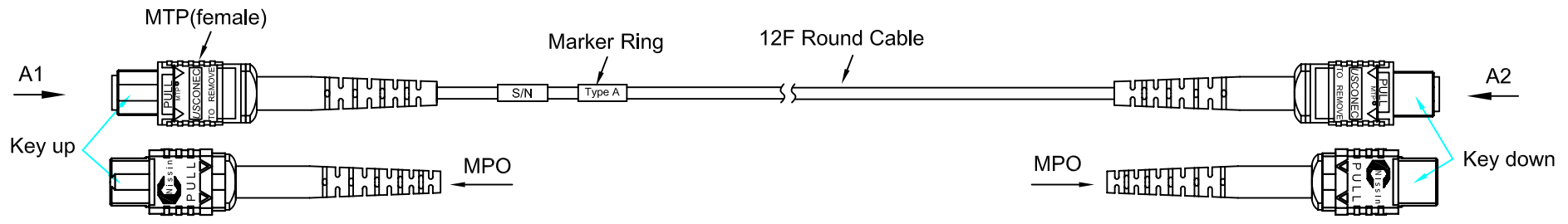
## Application

- telecom network
- System cabling
- Precision telecom equipments
- Cable loopback inspection

## Specification:

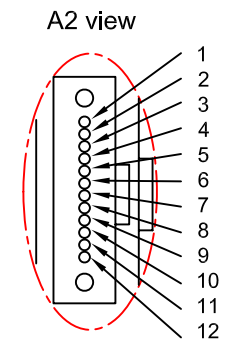
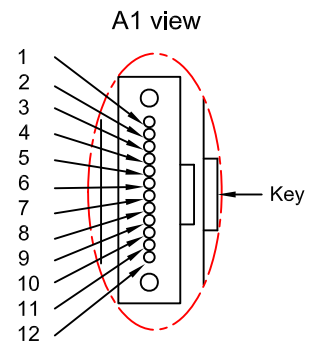
Items	Elite Performance				Std Performance			
	SM		MM		SM		MM	
Insertion Loss	8F,12F	24F	8F,12F	24F	8F,12F	24F	2F,8F,12F	24F
	≤0.7dB	≤1.0dB	≤0.7dB		≤1.4dB		≤1.4dB	
Return Loss	NA		NA		NA		NA	
Durability	500times							
Operation temperature	-20°C ~ +70°C							
Fiber Type	OM2/OM3/OM4							

No.	connector type(for reference)	
1	MTP (male)	
2	MPO (male)	



**Polarity A**

WIRING	
A1	A2
1	blue 1
2	orange 2
3	green 3
4	brown 4
5	gray 5
6	white 6
7	red 7
8	black 8
9	yellow 9
10	violet 10
11	pink 11
12	aqua 12






**Technical requirement:**

1. Performance index:

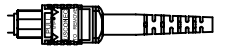
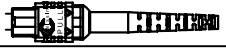
type	Insertion Loss (dB)		Return Loss (dB)
	Standard loss	Low loss	
PC(SM)	≤0.7	≤0.35	≥40
APC(SM)			≥55
PC(MM)	≤0.7	≤0.35	≥20
APC(MM)			≥30

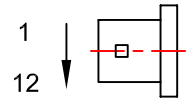
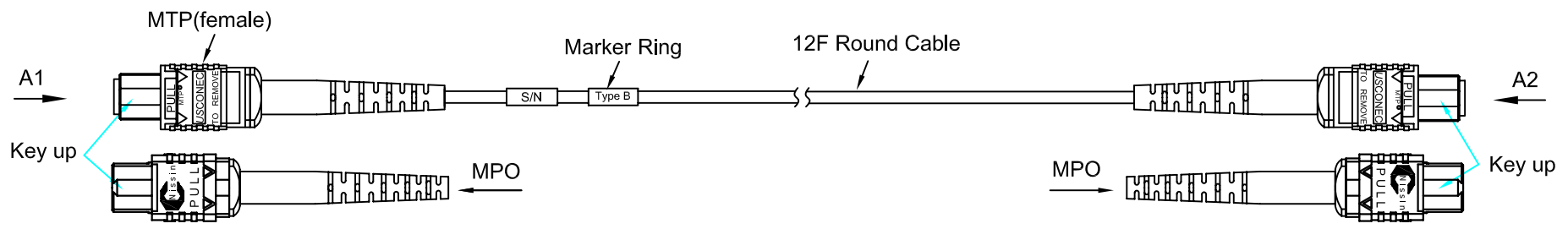
Note: No.1~12 just represent the hole of the position.

2.No dust cap showing on the drawing.

Title	MPO/MTP 12F Patchcord (Polarity A)		
Drawing	Steven	Item No	
Check	Henry	Drawing No:	
Approval	Williams		
Date	2018	Page: 1-1	 曦和光电科技有限公司 XH Opto Tech Co.,LTd

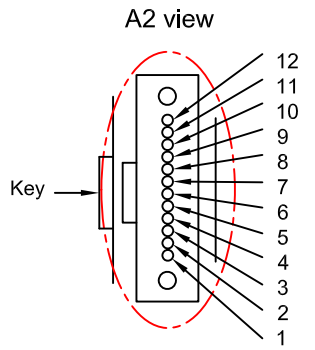
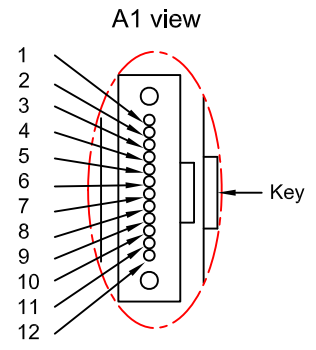
A B C D E F G H

No.	connector type(for reference)	
1	MTP (male)	
2	MPO (male)	



Polarity B (cross)

WIRING		
A1		A2
1	blue	12
2	orange	11
3	green	10
4	brown	9
5	gray	8
6	white	7
7	red	6
8	black	5
9	yellow	4
10	violet	3
11	pink	2
12	aqua	1





**Technical requirement:**

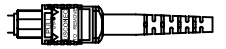
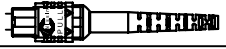
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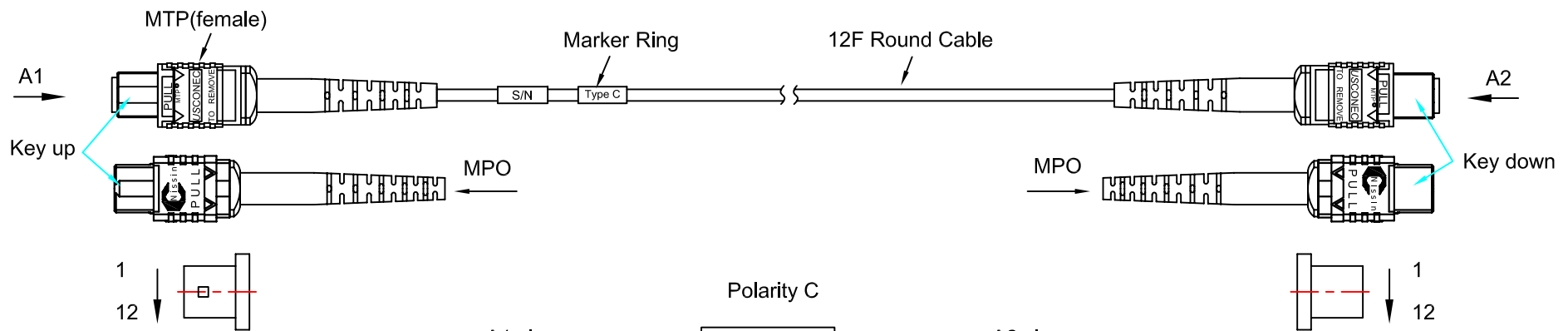
type	Insertion Loss (dB)		Return Loss (dB)
	Standard loss	Low loss	
PC(SM)	≤0.7	≤0.35	≥40
APC(SM)			≥55
PC(MM)	≤0.7	≤0.35	≥20
APC(MM)			≥30

2.No dust cap showing on the drawing.

Note: No.1~12 just represent the hole of the position.

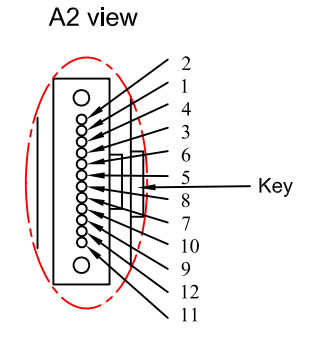
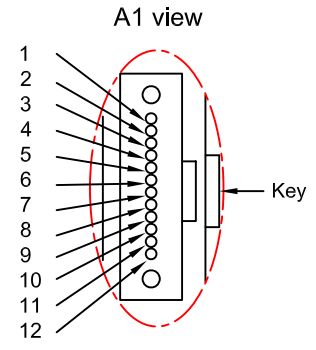
Title MPO/MTP 12F Patchcord (Polarity B)			
Drawing	Steven	Item No	
Check	Henry	Drawing No:	
Approval	Williams		 曦和光电科技有限公司
Date	2018	Page: 1-1	XH Opto Tech Co.,LTd

No.	connector type(for reference)	
1	MTP (male)	
2	MPO (male)	



**Polarity C**

WIRING		
A1		A2
1	blue	2
2	orange	1
3	green	4
4	brown	3
5	gray	6
6	white	5
7	red	8
8	black	7
9	yellow	10
10	violet	9
11	pink	12
12	aqua	11





**Technical requirement:**

1. Performance index:

type	Insertion Loss (dB)		Return Loss (dB)
	Standard loss	Low loss	
PC(SM)	≤0.7	≤0.35	≥40
APC(SM)			≥55
PC(MM)	≤0.7	≤0.35	≥20
APC(MM)			≥30

Note: No.1~12 just represent the hole of the position.

2.No dust cap showing on the drawing.

Title MPO/MTP 12F Patchcord (Polarity C)			
Drawing	Steven	Item No	
Check	Henry	Drawing No:	
Approval	Williams		 曦和光电科技有限公司
Date	2018	Page: 1-1	XH Opto Tech Co.,LTd