Patch Cords

MPO/MTP Patch Cord

Features：

- Low insertion loss
- High repeatability and high stability
- MPO / MTP polarity can be arbitrarily matched
- Meets GR326 or IEC 61300-2 standards

Specification：

Items	MTP/MPO(Elite)				MTP/MPO(Std)			
Insertion Loss	SM		MM		SM		MM	
	8F,12F	24F	8F,12F,16F	24F,32F	8F,12F	24F	8F,12F,16F	24F,32F
	≤0.5dB	≤0.7dB	≤0.7dB	≤1.0dB	≤1.4dB		≤1.4dB	
Return Loss	≥55dB		≥20dB		≥55dB		≥20dB	
Operation temperature	-25℃ ~ +70℃							
Fiber Type	OS2/OM1/OM2/OM3/OM4/OM5							

Patch Cords

MPO/MTP Patch Cord

The difference between 12/24F MPO Connector and 16/32F MPO Connector is the place of the key which is in the middle of 12/24F MPO Connector and in the right of 16/32F Connector.

12/24F MPO Connector

16/32F MPO Connector

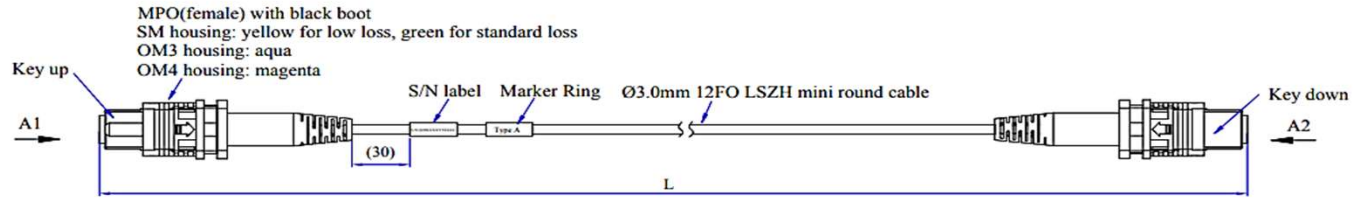
Patch Cords

MPO-MPO12F 3.0mm Patch cord Type A Mechanical Drawing

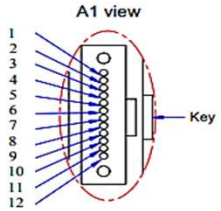
No.	Cable Length(L)	Length Tolerance(L)
1	1≤L≤10m	±100mm
2	10<L≤30m	±150mm
3	30<L<50m	±200mm
4	L≥50m	±300mm

No.	Cable
1	Ø3.0 SM G652D/G657A1/G657A2 12F LSZH Yellow cable
2	Ø3.0 MM OM3/150 or OM3/300 12F LSZH Aqua cable
3	Ø3.0 MM OM4/550 12F LSZH Magenta cable

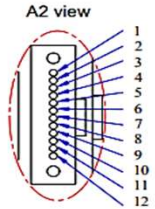
Name	
H2 MPO with pull tab(female)	
H2 MPO with pull tab(male)	
H2 MPO without pull tab(male)	



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:
SM: IL≤0.7dB(Standard loss), IL≤0.35dB(Low loss), RL≥55dB(APC).
MM: IL≤0.7dB(Standard loss), IL≤0.35dB(Low loss), RL≥20dB(PC).
2.No dust cap showing on the drawing.

Unit: mm

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

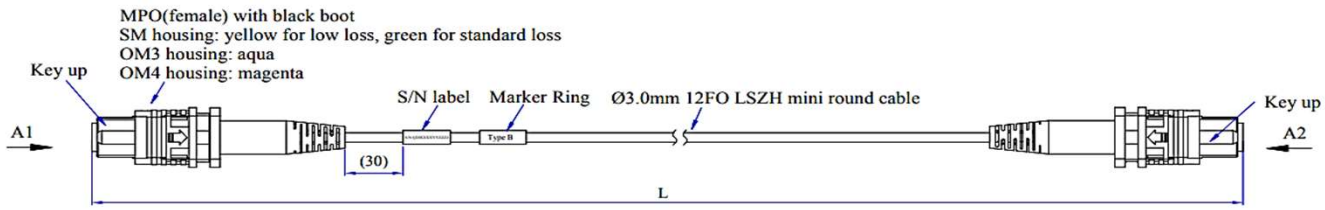
Patch Cords

MPO-MPO12F 3.0mm Patch cord Type B Mechanical Drawing

No.	Cable Length(L)	Length Tolerance(L)
1	1≤L≤10m	±100mm
2	10<L≤30m	±150mm
3	30<L<50m	±200mm
4	L≥50m	±300mm

No.	Cable
1	Ø3.0 SM G652D/G657A1/G657A2 12F LSZH Yellow cable
2	Ø3.0 MM OM3/150 or OM3/300 12F LSZH Aqua cable
3	Ø3.0 MM OM4/550 12F LSZH Magenta cable

Name	
H2 MPO with pull tab(female)	
H2 MPO with pull tab(male)	
H2 MPO without pull tab(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:
1.Performance index:
SM: IL≤0.7dB(Standard loss), IL≤0.35dB(Low loss), RL≥55dB(APC).
MM: IL≤0.7dB(Standard loss), IL≤0.35dB(Low loss), RL≥20dB(PC).
2.No dust cap showing on the drawing.

Unit: mm

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

Patch Cords

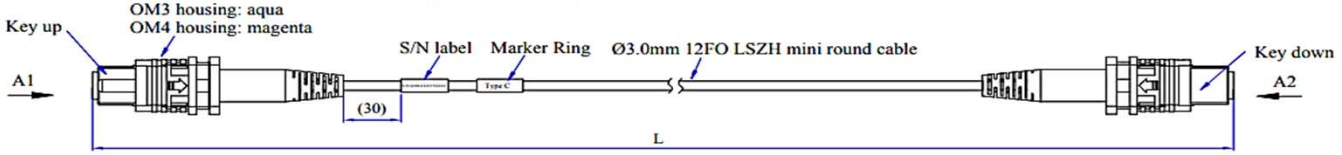
MPO-MPO12F 3.0mm Patch cord Type C Mechanical Drawing

No.	Cable Length(L)	Length Tolerance(L)
1	1≤L≤10m	±100mm
2	10<L≤30m	±150mm
3	30<L<50m	±200mm
4	L≥50m	±300mm

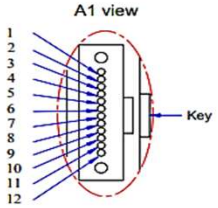
No.	Cable
1	Ø3.0 SM G652D/G657A1/G657A2 12F LSZH Yellow cable
2	Ø3.0 MM OM3/150 or OM3/300 12F LSZH Aqua cable
3	Ø3.0 MM OM4/550 12F LSZH Magenta cable

Name	
H2 MPO with pull tab(female)	
H2 MPO with pull tab(male)	
H2 MPO without pull tab(male)	

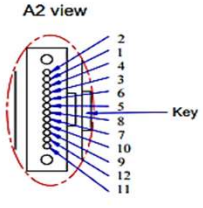
MPO(female) with black boot
SM housing: yellow for low loss, green for standard loss
OM3 housing: aqua
OM4 housing: magenta



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:
SM: IL≤0.7dB(Standard loss), IL≤0.35dB(Low loss), RL≥55dB(APC).
MM: IL≤0.7dB(Standard loss), IL≤0.35dB(Low loss), RL≥20dB(PC).
2.No dust cap showing on the drawing.

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